

## **Appendix J**

### **Initial CHART Assessment for the Snake River Basin Steelhead ESU**

#### **CHART Participants**

The CHART for this ESU consisted of the following NOAA Fisheries biologists: Ken Troyer, (CHART Leader), Vince Kozakiewicz, Randy Tweten, Larry Zuckerman, Bob Ries, Dale Brege, Eric Murray, Don Anderson, Jim Morrow, Angela Somma, and Herb Pollard. CHART members from the U.S. Forest Service consisted of: Bruce Smith, Joe Vacirca, Tom Montoya, Mark Moulton, Ken Bronec, Brad Lovatt, Dell Groat, Bill Dowdy, Lisa Hawdon, Pat Murphy, Scott Russell, Russ Thurow, David Burns, and Roger Nelson. CHART members also included Jackie Dougan and Craig Johnson from the U.S. Bureau of Land Management, and Jody Brostrom from the U.S. Fish and Wildlife Service. This CHART assessment also benefitted from review and comments by the Oregon Department of Fish and Wildlife and Washington Department of Fish and Wildlife. Comments were received from Idaho Department of Fish and Game however they did not arrive in time to be considered in the CHART's initial assessment.

#### **ESU Description**

The Snake River steelhead ESU was listed as a threatened species on August 18, 1997 (62 FR 43937). The ESU, one of 15 West Coast steelhead ESUs identified by NOAA Fisheries, includes all naturally spawned populations of steelhead in the Snake River Basin. The Snake River steelhead ESU is distributed throughout the Snake River drainage system, including tributaries in southeast Washington, eastern Oregon and north/central Idaho. Snake River steelhead migrate a substantial distance from the ocean (up to 930 mi) and use high elevation tributaries (typically 3,300-6,600 ft above sea level) for spawning and juvenile rearing. Snake River steelhead occupy habitat that is considerably warmer and drier (on an annual basis) than other steelhead ESUs. Snake River basin steelhead are generally classified as summer run, based on their adult run timing patterns. Summer steelhead enter the Columbia River from late June to October. After holding over the winter, summer steelhead spawn during the following spring (March to May). Managers classify up-river summer steelhead runs into two groups based primarily on ocean age and adult size upon return to the Columbia River. Those classified as A-run steelhead are predominately age-1 ocean fish while B-run steelhead are larger, predominately age-2 ocean fish.

With one exception (the Tucannon River production area), the tributary habitat used by

Snake River steelhead ESU is above Lower Granite Dam. Major groupings of populations and/or subpopulations can be found in 1) the Lower Snake River tributaries; 2) the Imnaha River drainage; 3) the Grande Ronde River system; 4) the Hells Canyon tributaries; 5) the Clearwater River drainages; and 6) the Salmon River drainages.

Resident *O. mykiss* are believed to be present in many of the drainages utilized by Snake River steelhead. Very little is known about interactions between co-occurring resident and anadromous forms within this ESU (NOAA Fisheries 2003).

### **CHART Area Assessments**

The Interior Columbia Basin TRT (ICBTRT 2003) has identified 6 “major groupings” of populations that are intended to assist in evaluating ESU-wide recovery scenarios. The groupings are based on similarities in genetic distances, distances between spawning aggregates, life history, and habitat or environmental considerations. Recovery planning will likely emphasize the need for a geographical distribution of viable populations across the range of such regions in an ESU (Ruckelshaus et al. 2002, McElhany et al. 2003, McClure 2004 [pers comm.]). Therefore, as part of its assessment the CHART considered the conservation value of each HUC5 watershed in the context of the populations within these 6 major groupings.

The CHART assessment for this ESU addressed 25 subbasins containing 271 occupied watersheds and 20 unoccupied watersheds. Subbasins were chosen as freshwater critical habitat units because they present a convenient and systematic way to organize the CHART’s watershed assessments for this ESU. During the initial orientation meetings the CHART noted that the Idaho Department of Fish and Game (IDFG) steelhead distribution data did not accurately reflect their own knowledge of the species distribution. A review of the problem prompted NOAA Fisheries to take on the task of revising the steelhead distribution throughout Idaho. NOAA Fisheries solicited input from the Bureau of Land Management (BLM) and U.S. Forest Service (USFS) for steelhead distribution within watersheds of the Clearwater River, Salmon River, and lower Snake River basins in Idaho. NOAA Fisheries also received updated steelhead distribution data from IDFG for the Salmon River Basin. The ratings and associated maps that follow reflect the updated steelhead distribution.

#### **Unit 1. Hells Canyon Subbasin (HUC4# 17060101)**

The Hells Canyon subbasin is located in the Lower Snake River Basin and includes areas in Oregon and Idaho. In Oregon the subbasin includes part of Wallowa county and in Idaho portions of Adams and Idaho counties. The subbasin contains three watersheds

occupied by this ESU and encompasses approximately 541s mi<sup>2</sup> and 705 miles of streams. Fish distribution and habitat use data from ODFW, USFS, BLM, and IDFG identify approximately 152 miles of occupied riverine habitat in the watersheds (NOAA 2004). The ICBTRT (2003) determined that although the streams in this subbasin are geographically separated from other major spawning areas, none of these tributaries appears to be large enough to support an independent population. However, the CHART determined that maintaining this area may be important for ESU viability or other conservation goals. The northern end of the subbasin also provides rearing and migration habitat for the Imnaha River population. The CHART concluded that all of the occupied areas contained one or more PCEs for this ESU and identified management activities that may affect the PCEs. Table J1 summarizes the total number of occupied riverine and estuarine reaches identified for each HUC5 watershed as containing spawning, rearing, or migration PCEs, as well as management activities that may affect the PCEs in the watersheds. Map J1 depicts the specific areas in this subbasin occupied by the ESU and under consideration for critical habitat designation.

#### **Unit 2. Imnaha River Subbasin (HUC4# 17060102)**

The Imnaha River subbasin is located in the Lower Snake River Basin and contained in Baker, Union, and Wallowa counties, Oregon. The subbasin contains five watersheds occupied by this ESU and encompasses approximately 851 mi<sup>2</sup> and 964 miles of streams. Fish distribution and habitat use data from ODFW identify approximately 357 miles of occupied riverine habitat in the watersheds (ODFW 2003). The Interior Columbia Basin TRT (2003) identified one historically independent population in this subbasin, the Imnaha River population. The CHART concluded that all of the occupied areas contained one or more PCEs for this ESU and identified management activities that may threaten the PCEs. Table J1 summarizes the total number of occupied riverine and estuarine reaches identified for each HUC5 watershed as containing spawning, rearing, or migration PCEs, as well as management activities that may affect the PCEs in the watersheds. Map J2 depicts the specific areas in this subbasin occupied by the ESU and under consideration for critical habitat designation.

#### **Unit 3. Lower Snake/Asotin Subbasin (HUC4# 17060103)**

The Imnaha River subbasin is located in the Lower Snake River Basin and includes areas in Idaho, Oregon, and Washington. In Idaho the subbasin contains part of Nez Perce county, and in Oregon the subbasin includes part of Wallowa county. The area of the subbasin in Washington contains portions of Asotin and Garfield counties. The Subbasin contains three watersheds occupied by this ESU and encompasses approximately 704 mi<sup>2</sup> and 995 miles of streams. Fish distribution and habitat use data from ODFW identify

approximately 196 miles of occupied riverine habitat in the watersheds (ODFW 2003). The Interior Columbia Basin TRT (2003) identified three historically independent populations in this subbasin: Asotin Creek, Lower Grande Ronde, and Little Salmon and Lower Salmon tributaries. Additionally, other populations use watersheds in this subbasin for rearing and migration. The CHART concluded that all of the occupied areas contained one or more PCEs for this ESU and identified management activities that may affect the PCEs. Table J1 summarizes the total number of occupied riverine and estuarine reaches identified for each HUC5 watershed as containing spawning, rearing, or migration PCEs, as well as management activities that may affect the PCEs in the watersheds. Map J3 depicts the specific areas in this subbasin occupied by the ESU and under consideration for critical habitat designation.

#### **Unit 4. Upper Grande Ronde River Subbasin (HUC4# 17060104)**

The Upper Grande Ronde River subbasin is located in the Lower Snake River Basin and contained in Baker, Umatilla, Union, and Wallowa counties, Oregon. The subbasin contains 11 watersheds occupied by this ESU and encompasses approximately 1,637 mi<sup>2</sup> and 2,140 miles of streams. Fish distribution and habitat use data from ODFW identify approximately 789 miles of occupied riverine habitat in the watersheds (ODFW 2003). The Interior Columbia Basin TRT (2003) identified one historically independent population in this subbasin, the Upper Grande Ronde River population. The CHART concluded that all of the occupied areas contained one or more PCEs for this ESU and identified management activities that may affect the PCEs. Table J1 summarizes the total number of occupied riverine and estuarine reaches identified for each HUC5 watershed as containing spawning, rearing, or migration PCEs, as well as management activities that may affect the PCEs in the watersheds. Map J4 depicts the specific areas in this subbasin occupied by the ESU and under consideration for critical habitat designation.

#### **Unit 5. Wallowa River Subbasin (HUC4# 17060105)**

The Wallowa River subbasin is located in the Lower Snake River Basin and contained in Union and Wallowa counties, Oregon. The subbasin contains six watersheds occupied by this ESU and encompasses approximately 954 mi<sup>2</sup> and 1,095 miles of streams. Fish distribution and habitat use data from ODFW identify approximately 265 miles of occupied riverine habitat in the watersheds (ODFW 2003). The Interior Columbia Basin TRT (2003) identified one historically independent population in this subbasin, the Wallowa River population. The CHART concluded that all of the occupied areas contained one or more PCEs for this ESU and identified management activities that may affect the PCEs. Table J1 summarizes the total number of occupied riverine and estuarine reaches identified for each HUC5 watershed as containing spawning, rearing, or



migration PCEs, as well as management activities that may affect the PCEs in the watersheds. Map J5 depicts the specific areas in this subbasin occupied by the ESU and under consideration for critical habitat designation.

#### **Unit 6. Lower Grande Ronde Subbasin (HUC4# 17060106)**

The Lower Grande Ronde River subbasin is located in the Lower Snake River Basin and within both Washington and Oregon. The portion of the subbasin in Washington is contained in Asotin, Columbia, and Garfield counties. In Oregon, the subbasin contains portions of Union and Wallowa counties. The subbasin contains seven watersheds occupied by this ESU and encompasses approximately 1,518 mi<sup>2</sup> and 1,707 miles of streams. Fish distribution and habitat use data from ODFW identify approximately 576 miles of occupied riverine habitat in the watersheds (ODFW 2003). The Interior Columbia Basin TRT (2003) identified two historically independent populations in this subbasin: Lower Grande Ronde River and Joseph Creek. Additionally, other populations use watersheds in this subbasin for rearing and migration. The CHART concluded that all of the occupied areas contained one or more PCEs for this ESU and identified management activities that may affect the PCEs. Table J1 summarizes the total number of occupied riverine and estuarine reaches identified for each HUC5 watershed as containing spawning, rearing, or migration PCEs, as well as management activities that may affect the PCEs in the watersheds. Map J6 depicts the specific areas in this subbasin occupied by the ESU and under consideration for critical habitat designation.

#### **Unit 7. Lower Snake/Tucannon Subbasin (HUC4# 17060107)**

The Lower Snake/Tucannon subbasin is located in the Lower Snake River Basin and contained in Asotin, Columbia, Garfield, and Whitman counties, Washington. The subbasin contains eight watersheds occupied by this ESU and encompasses approximately 1,458 mi<sup>2</sup> and 1,968 miles of streams. Fish distribution and habitat use data from WDFW identify approximately 325 miles of occupied riverine habitat in the watersheds (WDFW 2003). The Interior Columbia Basin TRT (2003) identified two historically independent populations in this subbasin: Asotin Creek and Tucannon River. Additionally, other populations use watersheds in this subbasin for rearing and migration.

The ratings for three of the watersheds within this subbasin were changed after the CHART reviewed co-manager comments from WDFW. Of the eight watersheds reviewed by the CHART, two were rated as having high, two were rated as having medium, and four were rated as having low conservation value to the ESU (NOAA 2004). Co-manager comments from WDFW prompted the CHART to change the ratings of Alpowa Creek and Snake River/Penawawa Creek watersheds from low to medium

conservation value to the ESU. Additionally, co-manager comments from WDFW prompted the CHART to change the rating of the Deadmand Creek watershed from medium to low conservation value to the ESU.

The CHART concluded that all of the occupied areas contained one or more PCEs for this ESU and identified management activities that may affect the PCEs. Table J1 summarizes the total number of occupied riverine and estuarine reaches identified for each HUC5 watershed as containing spawning, rearing, or migration PCEs, as well as management activities that may affect the PCEs in the watersheds. Map J7 depicts the specific areas in this subbasin occupied by the ESU and under consideration for critical habitat designation.

#### **Unit 8. Palouse River Subbasin (HUC4# 17060108)**

The Palouse River subbasin is located in the Lower Snake River Basin. The ESU is limited to the lowermost watershed of the subbasin, which is in Adams, Franklin, and Whitman counties, Washington. The upper portion of the subbasin is in Benewah, Latah, and Nez Perce counties, Idaho. The subbasin contains one watershed that is occupied by this ESU. The occupied watershed encompasses approximately 199 mi<sup>2</sup> and 205 miles of streams. Fish distribution and habitat use data from WDFW identify approximately 8 miles of occupied riverine habitat in the watersheds (WDFW 2003). The Interior Columbia Basin TRT (2003) did not identify a historically independent population in this subbasin. However, the CHART determined that this area may provide spawning habitats during years of high abundance or favorable habitat conditions. Additionally, the CHART concluded that all of the occupied areas contained one or more PCEs for this ESU and identified management activities that may affect the PCEs. Table J1 summarizes the total number of occupied riverine and estuarine reaches identified for each HUC5 watershed as containing spawning, rearing, or migration PCEs, as well as management activities that may affect the PCEs in the watersheds. Map J8 depicts the specific areas in this subbasin occupied by the ESU and under consideration for critical habitat designation.

#### **Unit 9. Upper Salmon Subbasin (HUC4# 17060201)**

The Upper Salmon subbasin is located in the Salmon River Basin and contained in Blaine and Custer counties, Idaho. The subbasin contains 27 watersheds occupied by this ESU and encompasses approximately 2,119 mi<sup>2</sup> and 3,303 miles of streams. Fish distribution and habitat use data from BLM, IDFG, and USFS identify approximately 551 miles of occupied riverine habitat in the watersheds (NOAA 2004). The Interior Columbia Basin TRT (2003) identified two historically independent populations in this subbasin: Upper

Mainstem Salmon River and East Fork Salmon River. The CHART concluded that all of the occupied areas contained one or more PCEs for this ESU and identified management activities that may affect the PCEs. Table J1 summarizes the total number of occupied riverine and estuarine reaches identified for each HUC5 watershed as containing spawning, rearing, or migration PCEs, as well as management activities that may affect the PCEs in the watersheds. Map J9 depicts the specific areas in this subbasin occupied by the ESU and under consideration for critical habitat designation.

#### **Unit 10. Pahsimeroi Subbasin (HUC4# 17060202)**

The Pahsimeroi subbasin is located in the Salmon River Basin and contained in Custer and Lemhi counties, Idaho. The subbasin contains three watersheds occupied by this ESU and three unoccupied watersheds that the CHART determined may be essential for conservation of the ESU. The occupied watersheds encompass approximately 376 square miles; other historically occupied areas in this subbasin are now blocked by irrigation impoundments and low stream flows due to irrigation withdrawals. The subbasin encompasses approximately 831 mi<sup>2</sup> and 981 miles of streams. Fish distribution and habitat use data from BLM, IDFG, and USFS identify approximately 51 miles of occupied riverine habitat in the watersheds (NOAA 2004). In addition, the CHART identified 83 miles of unoccupied riverine habitat that may be essential for conservation of the ESU (NOAA 2004). The Interior Columbia Basin TRT (2003) identified one historically independent population that is partially contained by this subbasin, the Pahsimeroi River population. The CHART concluded that all of the occupied areas contained one or more PCEs for this ESU and identified management activities that may affect the PCEs. Table J1 summarizes the total number of occupied riverine and estuarine reaches identified for each HUC5 watershed as containing spawning, rearing, or migration PCEs, as well as management activities that may affect the PCEs in the watersheds. Map J10 depicts the specific areas in this subbasin occupied by the ESU and under consideration for critical habitat designation. The CHART also believed that historically occupied areas within three watersheds (Big Creek, Pahsimeroi River/Goldberg Creek, Upper Pahsimeroi River) may be essential for the conservation of the ESU.

#### **Unit 11. Middle Salmon-Panther Subbasin (HUC4# 17060203)**

The Middle Salmon-Panther subbasin is located in the Salmon River Basin and contained in Custer and Lemhi counties, Idaho. The subbasin contains 23 watersheds occupied by this ESU and encompasses approximately 1,821 mi<sup>2</sup> and 1,987 miles of streams. Fish distribution and habitat use data from BLM, IDFG, and USFS identify approximately 340 miles of occupied riverine habitat in the watersheds (NOAA 2004). The Interior

Columbia Basin TRT (2003) identified four historically independent populations within this subbasin. The Lemhi River, Pahsimeroi River, and Panther Creek populations are partially contained within the subbasin. The North Fork Salmon River population is completely contained within the subbasin. Additionally, other populations use watersheds in this subbasin for rearing and migration. The CHART concluded that all of the occupied areas contained one or more PCEs for this ESU and identified management activities that may affect the PCEs. Table J1 summarizes the total number of occupied riverine and estuarine reaches identified for each HUC5 watershed as containing spawning, rearing, or migration PCEs, as well as management activities that may affect the PCEs in the watersheds. Map J11 depicts the specific areas in this subbasin occupied by the ESU and under consideration for critical habitat designation.

#### **Unit 12. Lemhi Subbasin (HUC4# 17060204)**

The Lemhi subbasin is located in the Salmon River Basin and contained in Lemhi county, Idaho. The subbasin contains 10 watersheds occupied by this ESU and four unoccupied watersheds that the CHART determined may be essential for conservation of the ESU. Fish distribution and habitat use data from BLM, IDFG, and USFS identify approximately 112 miles of occupied riverine habitat in the watersheds (NOAA 2004). In addition to the occupied riverine habitat, the CHART determined that there are 191 miles of unoccupied riverine habitat that may be essential for conservation of the ESU (NOAA 2004). In addition to the occupied riverine habitat, the CHART determined that there are 191 miles of unoccupied riverine habitat that may be essential for conservation of the ESU (NOAA 2004). These segments of unoccupied riverine habitat are found within both occupied and unoccupied watersheds. The Interior Columbia Basin TRT (2003) identified one historically independent population that is partially contained within this subbasin, the Lemhi River population. The CHART concluded that all of the occupied areas contained one or more PCEs for this ESU and identified management activities that may affect the PCEs. Table J1 summarizes the total number of occupied riverine and estuarine reaches identified for each HUC5 watershed as containing spawning, rearing, or migration PCEs, as well as management activities that may affect the PCEs in the watersheds. Map J12 depicts the specific areas in this subbasin occupied by the ESU and under consideration for critical habitat designation. The CHART also believed that historically occupied areas within four watersheds (Big Timber Creek, Eighteen Mile Creek, Hawley Creek, Texas Creek) may be essential for the conservation of the ESU.

### **Unit 13. Upper Middle Fork Salmon Subbasin (HUC4# 17060205)**

The Upper Middle Fork subbasin is located in the Salmon River Basin and contained in Custer, Lemhi, and Valley counties, Idaho. The subbasin contains 13 watersheds occupied by this ESU and encompasses approximately 1,506 mi<sup>2</sup> and 1,980 miles of streams. Fish distribution and habitat use data from IDFG and USFS identify approximately 572 miles of occupied riverine habitat in the watersheds (NOAA 2004). The Interior Columbia Basin TRT (2003) identified two historically independent populations in this subbasin. The subbasin supports the entire spawning range of the Upper Middle Fork Salmon River population and a portion of the Lower Middle Fork Salmon River population. The CHART concluded that all of the occupied areas contained one or more PCEs for this ESU and identified management activities that may affect the PCEs. Table J1 summarizes the total number of occupied riverine and estuarine reaches identified for each HUC5 watershed as containing spawning, rearing, or migration PCEs, as well as management activities that may affect the PCEs in the watersheds. Map J13 depicts the specific areas in this subbasin occupied by the ESU and under consideration for critical habitat designation.

### **Unit 14. Lower Middle Fork Salmon Subbasin (HUC4# 17060206)**

The Lower Middle Fork Salmon subbasin is located in the Salmon River Basin and contained in Idaho, Lemhi, and Valley counties, Idaho. The subbasin contains 17 watersheds occupied by this ESU and encompasses approximately 1,373 mi<sup>2</sup> and 1,573 miles of streams. Fish distribution and habitat use data from IDFG and USFS identify approximately 340 miles of occupied riverine habitat in the watersheds (NOAA 2004). The Interior Columbia Basin TRT (2003) identified one historically independent population in this subbasin, the Lower Middle Fork Salmon River. Additionally, the Upper Middle Fork Salmon River population uses watersheds within this subbasin for rearing and migration. The CHART concluded that all of the occupied areas contained one or more PCEs for this ESU and identified management activities that may affect the PCEs. Table J1 summarizes the total number of occupied riverine and estuarine reaches identified for each HUC5 watershed as containing spawning, rearing, or migration PCEs, as well as management activities that may affect the PCEs in the watersheds. Map J14 depicts the specific areas in this subbasin occupied by the ESU and under consideration for critical habitat designation.

### **Unit 15. Middle Salmon-Chamberlain Subbasin (HUC4# 17060207)**

The Middle Salmon-Salmon Chamberlain subbasin is located in the Salmon River Basin and contained in Idaho, Lemhi, and Valley counties, Idaho. The subbasin contains 19 watersheds occupied by this ESU and encompasses approximately 1,715 mi<sup>2</sup> and 2,025

miles of streams. Fish distribution and habitat use data from BLM, IDFG, and USFS identify approximately 402 miles of occupied riverine habitat in the watersheds (NOAA 2004). The Interior Columbia Basin TRT (2003) identified two historically independent populations in this subbasin. The Chamberlain Creek population and a portion of the Panther Creek population are contained in this subbasin. Additionally, other populations use watersheds in this subbasin for rearing and migration. The CHART concluded that all of the occupied areas contained one or more PCEs for this ESU and identified management activities that may affect the PCEs. Table J1 summarizes the total number of occupied riverine and estuarine reaches identified for each HUC5 watershed as containing spawning, rearing, or migration PCEs, as well as management activities that may affect the PCEs in the watersheds. Map J15 depicts the specific areas in this subbasin occupied by the ESU and under consideration for critical habitat designation.

#### **Unit 16. South Fork Salmon Subbasin (HUC4# 17060208)**

The Middle Salmon-Salmon Chamberlain subbasin is located in the Salmon River Basin and contained in Idaho and Valley counties, Idaho. The subbasin contains 15 watersheds occupied by this ESU and encompasses approximately 1,313 mi<sup>2</sup> and 1,630 miles of streams. Fish distribution and habitat use data from BLM, IDFG, and USFS identify approximately 410 miles of occupied riverine habitat in the watersheds (NOAA 2004). The Interior Columbia Basin TRT (2003) identified two historically independent populations in this subbasin: South Fork Salmon River and Secesh River. The CHART concluded that all of the occupied areas contained one or more PCEs for this ESU and identified management activities that may affect the PCEs. Table J1 summarizes the total number of occupied riverine and estuarine reaches identified for each HUC5 watershed as containing spawning, rearing, or migration PCEs, as well as management activities that may affect the PCEs in the watersheds. Map J16 depicts the specific areas in this subbasin occupied by the ESU and under consideration for critical habitat designation.

#### **Unit 17. Lower Salmon Subbasin (HUC4# 17060209)**

The Lower Salmon subbasin is located in the Salmon River Basin and contained in Idaho, Lewis and Nez Perce counties, Idaho. The subbasin contains 17 watersheds occupied by this ESU and encompasses approximately 1,179 mi<sup>2</sup> and 1,632 miles of streams. Fish distribution and habitat use data from BLM, IDFG, and USFS identify approximately 317 miles of occupied riverine habitat in the watersheds (NOAA 2004). The Interior Columbia Basin TRT (2003) identified two historically independent populations in this subbasin. Portions of the Chamberlain Creek and Little Salmon and Lower Salmon tributaries populations are contained in this subbasin. Additionally, other populations use watersheds in this subbasin for rearing and migration. The CHART concluded that all of

the occupied areas contained one or more PCEs for this ESU and identified management activities that may affect the PCEs. Table J1 summarizes the total number of occupied riverine and estuarine reaches identified for each HUC5 watershed as containing spawning, rearing, or migration PCEs, as well as management activities that may affect the PCEs in the watersheds. Map J17 depicts the specific areas in this subbasin occupied by the ESU and under consideration for critical habitat designation. The CHART noted that due to an oversight, HUC5# 1706020907 (Salmon River/ Hammer Creek) warranted a rating change from preliminarily medium to high value due to the lack of tributary habitat and its importance as a high value connectivity corridor for upstream HUC5s.

#### **Unit 18. Little Salmon Subbasin (HUC4# 17060210)**

The Little Salmon subbasin is located in the Salmon River Basin and contained in Adams and Idaho counties, Idaho. The subbasin contains five watersheds occupied by this ESU and encompasses approximately 406 mi<sup>2</sup> and 744 miles of streams. Fish distribution and habitat use data from BLM, IDFG, and USFS identify approximately 101 miles of occupied riverine habitat in the watersheds (NOAA 2004). The Interior Columbia Basin TRT (2003) identified one historically independent population that is partially contained in this subbasin: Little Salmon and Lower Salmon tributaries. The CHART concluded that all of the occupied areas contained one or more PCEs for this ESU and identified management activities that may affect the PCEs. Table J1 summarizes the total number of occupied riverine and estuarine reaches identified for each HUC5 watershed as containing spawning, rearing, or migration PCEs, as well as management activities that may affect the PCEs in the watersheds. Map J18 depicts the specific areas in this subbasin occupied by the ESU and under consideration for critical habitat designation.

#### **Unit 19. Upper Selway Subbasin (HUC4# 17060301)**

The Upper Selway subbasin is located in the Clearwater River Basin and contained in Idaho County, Idaho. The subbasin contains nine watersheds occupied by this ESU and encompasses approximately 983 mi<sup>2</sup> and 1,246 miles of streams. Fish distribution and habitat use data from IDFG and USFS identify approximately 314 miles of occupied riverine habitat in the watersheds (NOAA 2004). The Interior Columbia Basin TRT (2003) identified one historically independent population that is partially contained in this subbasin, the Selway River population. The CHART concluded that all of the occupied areas contained one or more PCEs for this ESU and identified management activities that may affect the PCEs. Table J1 summarizes the total number of occupied riverine and estuarine reaches identified for each HUC5 watershed as containing spawning, rearing, or migration PCEs, as well as management activities that may affect the PCEs in the

watersheds. Map J19 depicts the specific areas in this subbasin occupied by the ESU and under consideration for critical habitat designation.

#### **Unit 20. Lower Selway Subbasin (HUC4# 17060302)**

The Lower Selway subbasin is located in the Clearwater River Basin and contained in Idaho County, Idaho. The subbasin contains 13 watersheds occupied by this ESU and encompasses approximately 1,005 mi<sup>2</sup> and 1,297 miles of streams. Fish distribution and habitat use data from IDFG and USFS identify approximately 242 miles of occupied riverine habitat in the watersheds (NOAA 2004). The Interior Columbia Basin TRT (2003) identified one historically independent population that is partially contained in this subbasin, the Selway River population. The CHART concluded that all of the occupied areas contained one or more PCEs for this ESU and identified management activities that may affect the PCEs. Table J1 summarizes the total number of occupied riverine and estuarine reaches identified for each HUC5 watershed as containing spawning, rearing, or migration PCEs, as well as management activities that may affect the PCEs in the watersheds. Map J20 depicts the specific areas in this subbasin occupied by the ESU and under consideration for critical habitat designation.

#### **Unit 21. Lochsa Subbasin (HUC4# 17060303)**

The Lochsa subbasin is located in the Clearwater River Basin and contained in Clearwater and Idaho counties, Idaho. The subbasin contains 14 watersheds occupied by this ESU and encompasses approximately 1,178 mi<sup>2</sup> and 1,378 miles of streams. Fish distribution and habitat use data from IDFG and USFS identify approximately 277 miles of occupied riverine habitat in the watersheds (NOAA 2004). The Interior Columbia Basin TRT (2003) identified one historically independent population that in this subbasin, the Lochsa River population. The CHART concluded that all of the occupied areas contained one or more PCEs for this ESU and identified management activities that may affect the PCEs. Table J1 summarizes the total number of occupied riverine and estuarine reaches identified for each HUC5 watershed as containing spawning, rearing, or migration PCEs, as well as management activities that may affect the PCEs in the watersheds. Map J21 depicts the specific areas in this subbasin occupied by the ESU and under consideration for critical habitat designation. The CHART noted that HUC5# 1706030310 (Upper White Sands Creek) warranted a rating change from preimarily low to high value due to recent surveys supporting a higher certainty that steelhead are using tributary habitats in this HUC5 for spawning and rearing.



#### **Unit 22. Middle Fork Clearwater Subbasin (HUC4# 17060304)**

The Middle Fork Clearwater subbasin is located in the Clearwater River Basin and contained in Idaho County, Idaho. The subbasin contains two watersheds occupied by this ESU and encompasses approximately 217 mi<sup>2</sup> and 296 miles of streams. Fish distribution and habitat use data from BLM, IDFG and USFS identify approximately 80 miles of occupied riverine habitat in the watersheds (NOAA 2004). The Interior Columbia Basin TRT (2003) identified one historically independent population that is partially contained by this subbasin, the Lower Clearwater River population. Additionally, other populations use watersheds in this subbasin for rearing and migration. The CHART concluded that all of the occupied areas contained one or more PCEs for this ESU and identified management activities that may affect the PCEs. Table J1 summarizes the total number of occupied riverine and estuarine reaches identified for each HUC5 watershed as containing spawning, rearing, or migration PCEs, as well as management activities that may affect the PCEs in the watersheds. Map J22 depicts the specific areas in this subbasin occupied by the ESU and under consideration for critical habitat designation.

#### **Unit 23. South Fork Clearwater Subbasin (HUC4# 17060305)**

The South Fork Clearwater subbasin is located in the Clearwater River Basin and contained in Idaho County, Idaho. The subbasin contains 13 watersheds occupied by this ESU and encompasses approximately 1,176 mi<sup>2</sup> and 1,673 miles of streams. Fish distribution and habitat use data from BLM, IDFG and USFS identify approximately 406 miles of occupied riverine habitat in the watersheds (NOAA 2004). The Interior Columbia Basin TRT (2003) identified two historically independent populations in this subbasin. The South Fork Clearwater River population and a portion of the Lower Clearwater River population are contained within this subbasin. The CHART concluded that all of the occupied areas contained one or more PCEs for this ESU and identified management activities that may affect the PCEs. Table J1 summarizes the total number of occupied riverine and estuarine reaches identified for each HUC5 watershed as containing spawning, rearing, or migration PCEs, as well as management activities that may affect the PCEs in the watersheds. Map J23 depicts the specific areas in this subbasin occupied by the ESU and under consideration for critical habitat designation.

#### **Unit 24. Clearwater Subbasin (HUC4# 17060306)**

The Clearwater subbasin is located in the Clearwater River Basin and contained in Clearwater, Idaho, Latah, Lewis, and Nez Perce counties, Idaho. In addition to those areas in Idaho, there is a small portion of the subbasin (approximately 12 mi<sup>2</sup>) within Whitman County, Washington. The subbasin contains 26 watersheds occupied by this

ESU and encompasses approximately 2,046 mi<sup>2</sup> and 3,147 miles of streams. Fish distribution and habitat use data from BLM, IDFG and USFS identify approximately 425 miles of occupied riverine habitat in the watersheds (NOAA 2004). The Interior Columbia Basin TRT (2003) identified two historically independent populations in this subbasin. The Lolo Creek population and a portion of the Lower Clearwater River population are contained within this subbasin. Additionally, other populations use watersheds in this subbasin for rearing and migration. The CHART concluded that all of the occupied areas contained one or more PCEs for this ESU and identified management activities that may affect the PCEs. Table J1 summarizes the total number of occupied riverine and estuarine reaches identified for each HUC5 watershed as containing spawning, rearing, or migration PCEs, as well as management activities that may affect the PCEs in the watersheds. Map J24 depicts the specific areas in this subbasin occupied by the ESU and under consideration for critical habitat designation.

#### **Unit 25. Lower North Fork Clearwater Subbasin (HUC4# 17060308)**

The Lower North Fork Clearwater subbasin is located in the Clearwater River Basin. The ESU is limited to the lowermost watershed in the subbasin which contains portions of Clearwater and Latah counties, Idaho. The upper areas of the subbasin also contain portions of Shoshone County, Idaho. The subbasin contains one watershed that is occupied by the anadromous life history type of this ESU. The occupied watershed encompasses approximately 81 mi<sup>2</sup> and 93 miles of streams. Fish distribution and habitat use data from IDFG and USFS identify approximately 2 miles of occupied riverine habitat in the lowermost watershed of the subbasin (NOAA 2004). The occupied habitat is part of the Lower Clearwater River population (ICBTRT 2003). The CHART concluded that all of the occupied areas contained one or more PCEs for this ESU and identified management activities that may affect the PCEs. Table J1 summarizes the total number of occupied riverine and estuarine reaches identified for each HUC5 watershed as containing spawning, rearing, or migration PCEs, as well as management activities that may affect the PCEs in the watersheds. Map J25 depicts the specific areas in this subbasin occupied by the ESU and under consideration for critical habitat designation.

In addition, the CHART also considered whether historically occupied areas of this subbasin (and the upstream subbasin – Upper North Fork Clearwater) above Dworshak Dam are essential for ESU conservation. Although many areas are now inundated, the CHART concluded that most of the blocked watersheds are still in good condition. The CHART also noted that the ICBTRT identified these areas as part of a historically independent population and underscored that the resident *O. mykiss* above Dworshak Dam are genetically unique relative to other *O. mykiss* in the Clearwater basin. In

addition, NOAA Fisheries recently completed a status review update of this ESU (NOAA Fisheries 2003) that noted “recent genetic data suggest that native resident *O. mykiss* above Dworshak Dam on the North Fork Clearwater should be considered part of this ESU, but hatchery rainbow trout that have been introduced to that and other areas would not.” Given these considerations, the CHART concluded that these blocked watersheds may be essential for ESU conservation however they were uncertain which specific areas within them may warrant consideration as critical habitat.

## **Unit 26. Lower Snake/Columbia River corridor**

Unit 26 consists of the migration corridor that begins in SE Washington immediately downstream of the confluence of the Snake River with the Palouse River. The corridor includes approximately 58 miles of the Lower Snake River and 320 miles of the Columbia River. Watersheds downstream of the Palouse River are outside of the spawning range of this ESU and likely used in a limited way as juvenile rearing habitat for this ESU.

After reviewing the best available scientific data for all of the areas within the freshwater and estuarine range of this ESU, the CHART concluded that the lower Snake/Columbia River corridor was of high conservation value to the ESU. The CHART noted that this corridor connects every watershed and population in this ESU with the ocean and by rearing/migrating juveniles and migrating adults. The Columbia River estuary also contains PCEs and is a particularly important area for this ESU as both juveniles and adults make the critical physiological transition between life in freshwater and marine habitats (Marriot et al. 2002).

## **CHART Initial Conservation Value Rating**

### ***Freshwater/Estuarine Areas***

After reviewing the best available scientific data regarding critical habitat for this ESU, the CHART concluded that most of the occupied HUC5 watersheds were of either high or medium conservation value to the ESU. Of the 291 HUC5s reviewed, 220 were rated as high, 44 were rated as medium, and 27 were rated as low conservation value. Table J2 summarizes the CHART’s PCE/watershed scores<sup>11</sup> and initial conservation value ratings, and Figure J1 shows the overall distribution of ratings by HUC5 watershed. The CHART concluded that it was important to have high value watersheds identified in each of the

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<sup>11</sup> PCE/watershed scores were derived using the CHART scoring process described in the introduction to this report.

six TRT major groupings of populations and their initial assessment reflects that conclusion.

### Marine Areas

NOAA Fisheries' analysis focused on freshwater and estuarine habitats upstream of the mouth of the Columbia River. While marine areas are occupied by this ESU, within this vast area the agency has not identified "specific areas within the geographical area occupied by the species . . . on which are found those physical or biological features . . . essential to the conservation of the species."

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**Table J1.** Summary of Occupied Areas, PCEs, and Management Activities Affecting PCEs for the Snake River Basin Steelhead ESU

Map Code	Subbasin	Watershed or Corridor	HUC5 Code	Spawning/ Rearing PCEs (mi)	Rearing/ Migration PCEs (mi)	Presence/ Migration Only PCEs (mi)*	Management Activities**
<u>J1</u>	Hells Canyon	Snake River/ Granite Creek	1706010101	22.5	18.2	14.3	D, G, T
<u>J1</u>		Snake River/ Getta Creek	1706010102	25.2	23.7	18.7	D, G, T
<u>J1</u>		Snake River/ Divide Creek	1706010104	8.9	17.3		D, G, T
<u>J2</u>	Imnaha River	Upper Imnaha River	1706010201	46.5			F, G, R
<u>J2</u>		Middle Imnaha River	1706010202	64.0			F, G, I, R
<u>J2</u>		Big Sheep Creek	1706010203	64.0			F, G, I
<u>J2</u>		Little Sheep Creek	1706010204	63.9	2.7	3.4	F, G, I, U
<u>J2</u>		Lower Imnaha River	1706010205	89.2	23.1		G, I
<u>J3</u>	Lower Snake/ Asotin	Snake River/ Rogersburg	1706010301	12.5	19.6		G, T
<u>J3</u>		Asotin River	1706010302	68.6	3.0	22.4	F, G, I, U
<u>J3</u>		Snake River/ Captain John Creek	1706010303	28.2	30.9	10.5	A, G, X
<u>J4</u>	Upper Grande Ronde	Upper Grande Ronde River	1706010401	95.1	11.2		C, F, G, M, R
<u>J4</u>		Meadow Creek	1706010402	85.4	14.5		C, F, G, R

Map Code	Subbasin	Watershed or Corridor	HUC5 Code	Spawning/ Rearing PCEs (mi)	Rearing/ Migration PCEs (mi)	Presence/ Migration Only PCEs (mi)*	Management Activities**
<u>J4</u>		Grande Ronde River/ Beaver Creek	1706010403	115.8	3.4		C, F, G, R
<u>J4</u>		Grande Ronde River/ Five Points Creek	1706010404	50.2	18.8		A, C, F, G, I, R, U
<u>J4</u>		Catherine Creek	1706010405	40.7	10.7		F, G, I, R, U
<u>J4</u>		Ladd Creek	1706010406	20.2	19.7		C, F, G, I, R
<u>J4</u>		Grande Ronde River/ Mill Creek	1706010407	8.6	42.5		A, C, I, R
<u>J4</u>		Phillips Creek/ Willow Creek	1706010408	36.0	4.2		A, C, F, G, I, R
<u>J4</u>		Grande Ronde River/ Indian Creek	1706010409	54.0	30.2		A, F, G, I, R
<u>J4</u>		Lookingglass Creek	1706010410	14.0	37.1		F, G, R
<u>J4</u>		Grande Ronde River/ Cabin Creek	1706010411	75.2	6.8		A, F, G, R, U
<u>J5</u>	Wallowa River	Upper Wallowa River	1706010501	36.3	3.2		C, F, G, I, U
<u>J5</u>		Lostine River	1706010502	25.6			F, G, I, M
<u>J5</u>		Middle Wallowa River	1706010503	33.3	3.6		A, C, F, G, I
<u>J5</u>		Bear Creek	1706010504	25.5			F, G, I, R, U
<u>J5</u>		Minam River	1706010505	64.5			C, F, I

Map Code	Subbasin	Watershed or Corridor	HUC5 Code	Spawning/ Rearing PCEs (mi)	Rearing/ Migration PCEs (mi)	Presence/ Migration Only PCEs (mi)*	Management Activities**
<u>J5</u>		Lower Wallowa River	1706010506	49.8	22.8		C, F, G, I, R
<u>J6</u>	Lower Grande Ronde	Grande Ronde River/ Rondowa	1706010601	43.3	12.9		F, G, I
<u>J6</u>		Grande Ronde River/ Mud Creek	1706010602	108.3	8.0		F, G, R
<u>J6</u>		Wenaha River	1706010603	72.4	0.1	16.0	F, G
<u>J6</u>		Chesnimnus Creek	1706010604	83.7			F, G
<u>J6</u>		Upper Joseph Creek	1706010605	76.3	0.8		G, I, X
<u>J6</u>		Lower Joseph Creek	1706010606	73.9			G, R
<u>J6</u>		Lower Grande Ronde River/ Menathce Creek	1706010607	30.2	45.6	4.7	F, G, R, T
<u>J7</u>	Lower Snake/ Tucannon	Alpowa Creek	1706010701	6.3	10.7	5.7	A, G, I
<u>J7</u>		Snake River/ Steptoe Canyon	1706010702	0.3		37.4	D, G, T, X
<u>J7</u>		Deadman Creek	1706010703	4.3		41.3	G, I
<u>J7</u>		Flat Creek	1706010704			8.3	A, D, G
<u>J7</u>		Pataha Creek	1706010705		19.9	31.2	A, F, G, I, X
<u>J7</u>		Upper Tucannon River	1706010706	49.1		18.7	A, F, G, I
<u>J7</u>		Lower Tucannon River	1706010707	7.2		16.7	C, G, I

Map Code	Subbasin	Watershed or Corridor	HUC5 Code	Spawning/ Rearing PCEs (mi)	Rearing/ Migration PCEs (mi)	Presence/ Migration Only PCEs (mi)*	Management Activities**
<u>J7</u>		Snake River/ Penawawa Creek	1706010708	7.9	0.6	59.3	D, G, T, X
<u>J8</u>	Palouse River	Lower Palouse River	1706010808	6.3		2.0	A, D
<u>J9</u>	Upper Salmon	Salmon River/ Challis	1706020101	4.1	22.2	3.8	R
<u>J9</u>		Salmon River/ Bayhorse Creek	1706020104	3.0	19.9		G, I, R, S
<u>J9</u>		East Fork Salmon River/ McDonald Creek	1706020105	15.7	5.9		G, I
<u>J9</u>		Road Creek	1706020107		2.8		G, I, R
<u>J9</u>		Herd Creek	1706020108	20.4	7.5		G, I, R
<u>J9</u>		East Fork Salmon River/ Big Boulder Creek	1706020109	22.2			G, I, M, R
<u>J9</u>		Upper East Fork Salmon River	1706020110	19.4			G, I, M
<u>J9</u>		Germania Creek	1706020111	4.8			G, I, M
<u>J9</u>		Salmon River/ Kinnikinic Creek	1706020112	4.2	4.6		C, G, R
<u>J9</u>		Salmon River/ Slate Creek	1706020113	29.0	0.8		F, G, I, R, M
<u>J9</u>		Warm Springs Creek	1706020114	10.0			G, M, R

Map Code	Subbasin	Watershed or Corridor	HUC5 Code	Spawning/ Rearing PCEs (mi)	Rearing/ Migration PCEs (mi)	Presence/ Migration Only PCEs (mi)*	Management Activities**
<u>J9</u>		Salmon River/ Big Casino Creek	1706020115	28.6	0.6		C, I, M
<u>J9</u>		Salmon River/ Fisher Creek	1706020117	16.5			G, I
<u>J9</u>		Salmon River/ Fourth of July Creek	1706020118	4.6	4.7		G, I, M
<u>J9</u>		Upper Salmon River	1706020119	38.1	3.1	0.2	G, I
<u>J9</u>		Alturas Lake Creek	1706020120	19.4	4.3		G, I
<u>J9</u>		Redfish Lake Creek	1706020121	10.6			R, U
<u>J9</u>		Valley Creek/ Iron Creek	1706020122	29.6	3.0		G, I, M, U
<u>J9</u>		Upper Valley Creek	1706020123	36.8	1.3		G, I
<u>J9</u>		Basin Creek	1706020124	13.2			G, M, R
<u>J9</u>		Yankee Fork/ Jordan Creek	1706020125	37.6	0.6		I, M, R
<u>J9</u>		West Fork Yankee Fork	1706020126	24.2	5.6		M, R
<u>J9</u>		Upper Yankee Fork	1706020127	28.3	0.9		G, R
<u>J9</u>		Squaw Creek	1706020128	14.7			I, M, R
<u>J9</u>		Garden Creek	1706020129	7.5			A, G, I, U
<u>J9</u>		Challis Creek/ Mill Creek	1706020130	0.7		3.6	G, I
<u>J9</u>		Morgan Creek	1706020132	6.7	5.7		G, I, R

Map Code	Subbasin	Watershed or Corridor	HUC5 Code	Spawning/ Rearing PCEs (mi)	Rearing/ Migration PCEs (mi)	Presence/ Migration Only PCEs (mi)*	Management Activities**
<u>J10</u>	Pahsimeroi	Lower Pahsimeroi River	1706020201	23.0			A, G, I
<u>J10</u>		Pahsimeroi River/ Falls Creek	1706020202	10.3		6.8	A, G, I
<u>J10</u>		Paterson Creek	1706020203	11.0			G, I, M
<u>J10</u>		Big Creek	1706020204				G, I, R
<u>J10</u>		Pahsimeroi River/ Goldberg Creek	1706020205				A, G, I
<u>J10</u>		Upper Pahsimeroi River	1706020206				G, I, R
<u>J11</u>	Middle Salmon-Panther	Salmon River/ Colson Creek	1706020301	2.5		11.3	A, F, I, M
<u>J11</u>		Owl Creek	1706020302	6.2			F, M
<u>J11</u>		Salmon River/ Pine Creek	1706020303	14.6		17.8	F, I, M, R, U
<u>J11</u>		Indian Creek	1706020304	9.4		3.8	F, I, M, U
<u>J11</u>		Salmon River/ Moose Creek	1706020305	2.6		31.6	C, R, U
<u>J11</u>		North Fork Salmon River	1706020306	48.5		6.4	A, F, G, M
<u>J11</u>		Salmon River/ Tower Creek	1706020307			10.1	C, G, I, U
<u>J11</u>		Carmen Creek	1706020308			11.5	A, I, U
<u>J11</u>		Salmon River/ Jesse Creek	1706020309			13.4	A, U

Map Code	Subbasin	Watershed or Corridor	HUC5 Code	Spawning/ Rearing PCEs (mi)	Rearing/ Migration PCEs (mi)	Presence/ Migration Only PCEs (mi)*	Management Activities**
<u>J11</u>		Salmon River/ Williams Creek	1706020310			10.8	I, U
<u>J11</u>		Salmon River/ Twelvemile Creek	1706020311			13.5	C, G, I, R
<u>J11</u>		Salmon River/ Cow Creek	1706020312	7.1	6.6	14.7	C, G, I, R
<u>J11</u>		Hat Creek	1706020313		2.2		G, I
<u>J11</u>		Iron Creek	1706020314		9.0		G, I, M
<u>J11</u>		Upper Panther Creek	1706020315			16.0	G, I
<u>J11</u>		Moyer Creek	1706020316			7.7	F, G, I, R
<u>J11</u>		Panther Creek/ Woodtick Creek	1706020317			15.0	M, R
<u>J11</u>		Deep Creek	1706020318			2.3	R
<u>J11</u>		Napias Creek	1706020319			0.7	A, F, M, R
<u>J11</u>		Panther Creek/ Spring Creek	1706020320			12.4	M, R
<u>J11</u>		Big Deer Creek	1706020321			0.8	M
<u>J11</u>		Panther Creek/ Trail Creek	1706020322	16.1		5.4	D, I, M, R
<u>J11</u>		Clear Creek	1706020323	9.8			F
<u>J12</u>	Lemhi	Lemhi River/ Bohannon Creek	1706020401	19.3			C, G, I, M, R
<u>J12</u>		Lemhi River/ Whimpey Creek	1706020402	6.4		6.4	C, G, I, M, R

Map Code	Subbasin	Watershed or Corridor	HUC5 Code	Spawning/ Rearing PCEs (mi)	Rearing/ Migration PCEs (mi)	Presence/ Migration Only PCEs (mi)*	Management Activities**
<u>J12</u>		Lemhi River/ Kenney Creek	1706020403	14.5			C, G, R
<u>J12</u>		Agency Creek	1706020404			2.7	G, M, R
<u>J12</u>		Lemhi River/ McDevitt Creek	1706020405	5.6			C, G, R
<u>J12</u>		Lemhi River/ Yearian Creek	1706020406	9.6			I
<u>J12</u>		Peterson Creek	1706020407	5.9			I
<u>J12</u>		Big Eight Mile Creek	1706020408	9.0			I
<u>J12</u>		Canyon Creek	1706020409	1.0			G, I
<u>J12</u>		Hawley Creek	1706020410				G, I
<u>J12</u>		Eighteen Mile Creek	1706020411				G, I
<u>J12</u>		Texas Creek	1706020412				G, I
<u>J12</u>		Big Timber Creek	1706020413				G, I
<u>J12</u>		Hayden Creek	1706020414	31.4			C, I
<u>J13</u>	Upper Middle Fork Salmon	Lower Loon Creek	1706020501	29.3			I, M, R
<u>J13</u>		Warm Springs	1706020502	26.2			M, R
<u>J13</u>		Upper Loon Creek	1706020503	49.3			I, R
<u>J13</u>		Little Loon Creek	1706020504	11.5			R
<u>J13</u>		Rapid River	1706020505	30.9			I, M, R
<u>J13</u>		Marsh Creek	1706020506	78.1			G, M, R



Map Code	Subbasin	Watershed or Corridor	HUC5 Code	Spawning/ Rearing PCEs (mi)	Rearing/ Migration PCEs (mi)	Presence/ Migration Only PCEs (mi)*	Management Activities**
<u>J13</u>		Middle Fork Salmon River/ Soldier Creek	1706020507	51.0			M, R
<u>J13</u>		Bear Valley Creek	1706020508	121.2			G, M, R
<u>J13</u>		Sulphur Creek	1706020509	29.9			G, I
<u>J13</u>		Pistol Creek	1706020510	36.1			Fi, M
<u>J13</u>		Indian Creek	1706020511	29.0			Fi, I
<u>J13</u>		Upper Marble Creek	1706020512	43.7			M
<u>J13</u>		Middle Fork Salmon River/ Lower Marble Creek	1706020513	36.2			I
<u>J14</u>	Lower Middle Fork Salmon	Lower Middle Fork Salmon River	1706020601	9.1	17.9		Fi, M, Rec
<u>J14</u>		Wilson Creek	1706020602	3.5			Fi, M, Rec
<u>J14</u>		Middle Fork Salmon River/ Brush Creek	1706020603	6.9	5.2		G, I
<u>J14</u>		Yellow Jacket Creek	1706020604	29.0		3.7	G, I, R
<u>J14</u>		Silver Creek	1706020605	3.3			G, I, M, R
<u>J14</u>		Upper Camas Creek	1706020606	22.8		4.2	G, I, R
<u>J14</u>		West Fork Camas Creek	1706020607	5.3		2.0	G
<u>J14</u>		Lower Camas Creek	1706020608	14.2		1.2	G, I, M, R

Map Code	Subbasin	Watershed or Corridor	HUC5 Code	Spawning/ Rearing PCEs (mi)	Rearing/ Migration PCEs (mi)	Presence/ Migration Only PCEs (mi)*	Management Activities**
<u>J14</u>		Middle Fork Salmon River/ Sheep Creek	1706020609	24.1			I
<u>J14</u>		Rush Creek	1706020610	16.9		0.3	Fi, M, Rec
<u>J14</u>		Monumental Creek	1706020611	31.8			M, R
<u>J14</u>		Big Creek/ Little Marble Creek	1706020612	17.3			M
<u>J14</u>		Upper Big Creek	1706020613	16.5		5.4	I, M, R
<u>J14</u>		Beaver Creek	1706020614	10.7		1.6	M
<u>J14</u>		Big Ramey Creek	1706020615	11.7			
<u>J14</u>		Big Creek/ Crooked Creek	1706020616	43.0			M
<u>J14</u>		Lower Big Creek	1706020617	32.9			C
<u>J15</u>	Middle Salmon-Chamberlain	Salmon River/ Fall Creek	1706020701	3.6		4.8	G, F, R, Fi
<u>J15</u>		Wind River	1706020702	1.0			G, Fi
<u>J15</u>		Salmon River/ California Creek	1706020703	26.1		14.6	F, R, M, Fi
<u>J15</u>		Sheep Creek	1706020704	12.7		1.2	Fi, R
<u>J15</u>		Crooked Creek	1706020705	26.1			M, F, Fi
<u>J15</u>		Salmon River/ Rabbit Creek	1706020706	2.0		9.2	Fi, R
<u>J15</u>		Big Mallard Creek	1706020707	1.1			G, R
<u>J15</u>		Salmon River/ Trout Creek	1706020708	25.7		25.9	Fi, F, R
<u>J15</u>		Bargamin Creek	1706020709	37.0			Fi, G

Map Code	Subbasin	Watershed or Corridor	HUC5 Code	Spawning/ Rearing PCEs (mi)	Rearing/ Migration PCEs (mi)	Presence/ Migration Only PCEs (mi)*	Management Activities**
<u>J15</u>		Salmon River/ Rattlesnake Creek	1706020710	0.9		9.3	Fi
<u>J15</u>		Sabe Creek	1706020711	19.1			Fi
<u>J15</u>		Salmon River/ Hot Springs Creek	1706020712	10.5		7.2	M
<u>J15</u>		Salmon River/ Disappointment Creek	1706020713			11.9	
<u>J15</u>		Horse Creek	1706020714	39.5			M, R
<u>J15</u>		Salmon River/ Kitchen Creek	1706020715	6.2		11.5	I, M, R
<u>J15</u>		Cottonwood Creek	1706020716	3.3			
<u>J15</u>		Lower Chamberlain/ McCalla Creek	1706020717	25.7		1.4	
<u>J15</u>		Upper Chamberlain Creek	1706020718	44.5			M
<u>J15</u>		Warren Creek	1706020719	20.3			
<u>J16</u>	South Fork Salmon	Lower South Fork Salmon River	1706020801	31.1			I, M, R
<u>J16</u>		South Fork Salmon River/ Sheep Creek	1706020802	24.8		3.0	I, M, R
<u>J16</u>		Lower East Fork South Fork Salmon River	1706020803	22.2			I, M, R

Map Code	Subbasin	Watershed or Corridor	HUC5 Code	Spawning/ Rearing PCEs (mi)	Rearing/ Migration PCEs (mi)	Presence/ Migration Only PCEs (mi)*	Management Activities**
<u>J16</u>		Upper East Fork South Fork Salmon River	1706020804	38.4			I, M, R
<u>J16</u>		Lower Johnson Creek	1706020805	14.4			I, M, R
<u>J16</u>		Burntlog Creek	1706020806	14.1			I, M, R
<u>J16</u>		Upper Johnson Creek	1706020807	48.9			I, M, R
<u>J16</u>		Upper South Fork Salmon River	1706020808	46.8			I, M, R
<u>J16</u>		South Fork Salmon River/ Cabin Creek	1706020809	33.0			I, M, R
<u>J16</u>		South Fork Salmon River/ Blackmare Creek	1706020810	29.3		1.0	I, M, R
<u>J16</u>		Buckhorn Creek	1706020811	13.3		0.9	I, M, R
<u>J16</u>		South Fork Salmon River/ Fitsum Creek	1706020812	22.0		1.4	I, M, R
<u>J16</u>		Lower Secesh River	1706020813	31.1		3.1	I, M, R
<u>J16</u>		Middle Secesh River	1706020814	13.8			I, M, R
<u>J16</u>		Upper Secesh River	1706020815	17.2			I, M, R
<u>J17</u>	Lower Salmon	Salmon River/ China Creek	1706020901	6.4	1.1	13.8	A, F, Fi, G
<u>J17</u>		Eagle Creek	1706020902	11.2			A, F, Fi, G

Map Code	Subbasin	Watershed or Corridor	HUC5 Code	Spawning/ Rearing PCEs (mi)	Rearing/ Migration PCEs (mi)	Presence/ Migration Only PCEs (mi)*	Management Activities**
<u>J17</u>		Deer Creek	1706020903	4.1			A, F, Fi, G
<u>J17</u>		Salmon River/ Cottonwood Creek	1706020904	5.7		12.1	A, F, Fi, G
<u>J17</u>		Salmon River/ Deep Creek	1706020905	6.3		17.3	A, F, Fi, G
<u>J17</u>		Rock Creek	1706020906	8.2		5.1	A, F, Fi, R
<u>J17</u>		Salmon River/ Hammer Creek	1706020907			15.7	A, Fi, G
<u>J17</u>		White Bird Creek	1706020908	28.9		32.6	A, F, Fi, G, R, U
<u>J17</u>		Salmon River/ McKinzie Creek	1706020909	2.3	1.6	12.2	A, F, Fi, G
<u>J17</u>		Skookumchuck Creek	1706020910	14.2			A, F, Fi, G
<u>J17</u>		Slate Creek	1706020911	23.3		2.6	A, F, Fi, G, M, R
<u>J17</u>		Salmon River/ John Day Creek	1706020912	9.7	0.3	23.3	A, F, Fi, G, M, R
<u>J17</u>		Salmon River/ Lake Creek	1706020913	10.2		20.1	A, F, Fi, G, R, U
<u>J17</u>		Salmon River/ Van Creek	1706020914	0.3		9.0	A, F, Fi, G, R
<u>J17</u>		French Creek	1706020915	3.8			A, F, Fi, G, R
<u>J17</u>		Partridge Creek	1706020916	5.4		0.5	A, F, Fi, G
<u>J17</u>		Rice Creek	1706020917	5.7		3.9	A, F
<u>J18</u>	Little Salmon	Lower Little Salmon River	1706021001	25.8		0.1	F, Fi, G, R, U
<u>J18</u>		Little Salmon River/ Hard Creek	1706021002	11.7		4.4	D, F, Fi, G, R

Map Code	Subbasin	Watershed or Corridor	HUC5 Code	Spawning/ Rearing PCEs (mi)	Rearing/ Migration PCEs (mi)	Presence/ Migration Only PCEs (mi)*	Management Activities**
<u>J18</u>		Hazard Creek	1706021003	2.4			F, Fi, G
<u>J18</u>		Boulder Creek	1706021006	20.0		7.1	F, Fi, G, R
<u>J18</u>		Rapid River	1706021007	25.5		4.1	A, F, Fi, G
<u>J19</u>	Upper Selway	Selway River/ Pettibone Creek	1706030101	18.7	10.6		Fi
<u>J19</u>		Bear Creek	1706030102	30.5			Fi
<u>J19</u>		Selway River/ Gardner Creek	1706030103	36.3		1.8	Fi
<u>J19</u>		White Cap Creek	1706030104	28.1		15.7	Fi
<u>19</u>		Indian Creek	1706030105	16.0		1.6	
<u>J19</u>		Upper Selway River	1706030106	70.2		5.3	Fi
<u>J19</u>		Burnt Knob Creek	1706030107	29.1		1.1	Fi
<u>J19</u>		Running Creek	1706030108	36.2			Fi
<u>J19</u>		Goat Creek	1706030109	12.8			Fi
<u>J20</u>	Lower Selway	Selway River/ Goddard Creek	1706030201	9.1	22.5		F, Fi, R
<u>J20</u>		Gedney Creek	1706030202	5.4			Fi
<u>J20</u>		Selway River/ Three Links Creek	1706030203	14.9	10.0		Fi
<u>J20</u>		Upper Three Links Creek	1706030204	1.1			Fi
<u>J20</u>		Rhoda Creek	1706030205	23.6			Fi
<u>J20</u>		North Fork Moose Creek	1706030207	22.8			Fi

Map Code	Subbasin	Watershed or Corridor	HUC5 Code	Spawning/ Rearing PCEs (mi)	Rearing/ Migration PCEs (mi)	Presence/ Migration Only PCEs (mi)*	Management Activities**
<u>J20</u>		East Fork Moose Creek/ Trout Creek	1706030208	25.3	8.3		Fi
<u>J20</u>		Upper East Fork Moose Creek	1706030209	7.5			Fi
<u>J20</u>		Martin Creek	1706030210	9.4			Fi
<u>J20</u>		Upper Meadow Creek	1706030211	26.8			F, Fi, G
<u>J20</u>		Middle Meadow Creek	1706030212	16.4			Fi
<u>J20</u>		Lower Meadow Creek	1706030213	29.9			F, Fi, R
<u>J20</u>		O'Hara Creek	1706030214	9.1			F, Fi, R
<u>J21</u>	Lochsa	Lower Lochsa River	1706030301	21.2	26.1	2.6	F, Fi, R
<u>J21</u>		Fish Creek	1706030302	30.5		7.7	F, R
<u>J21</u>		Lochsa River/ Stanley Creek	1706030303	14.9	18.0	5.8	Fi, R
<u>J21</u>		Lochsa River/ Squaw Creek	1706030304	46.5		6.0	F, Fi, R
<u>J21</u>		Lower Crooked Fork	1706030305	6.9			F, Fi, R
<u>J21</u>		Upper Crooked Fork	1706030306	12.5		0.8	F, Fi, R
<u>J21</u>		Brushy Fork	1706030307	11.5		0.4	F, Fi, R
<u>J21</u>		Lower White Sands Creek	1706030308	13.5		0.3	F, Fi
<u>J21</u>		Storm Creek	1706030309	9.5		0.2	

Map Code	Subbasin	Watershed or Corridor	HUC5 Code	Spawning/ Rearing PCEs (mi)	Rearing/ Migration PCEs (mi)	Presence/ Migration Only PCEs (mi)*	Management Activities**
<u>J21</u>		Upper White Sands Creek	1706030310	18.1			F, Fi, R
<u>J21</u>		Warm Springs Creek	1706030311	4.0		0.2	Fi
<u>J21</u>		Fish Lake Creek	1706030312	9.2		0.1	
<u>J21</u>		Boulder Creek	1706030313	7.7			Fi
<u>J21</u>		Old Man Creek	1706030314	3.1			
<u>J22</u>	Middle Fork Clearwater	Middle Fork Clearwater River/ Maggie Creek	1706030401	11.6	22.9		A, F, Fi, G, R, U
<u>J22</u>		Clear Creek	1706030402	45.3			A, F, Fi, G, R
<u>J23</u>	South Fork Clearwater	Lower South Fork Clearwater River	1706030501	11.0	32.6	11.8	A, F, Fi, G, R, U
<u>J23</u>		South Fork Clearwater River/ Meadow Creek	1706030502	13.6		3.5	F, Fi, R
<u>J23</u>		South Fork Clearwater River/ Peasley Creek	1706030503	11.8	3.5	3.5	F, Fi, R
<u>J23</u>		South Fork Clearwater River/ Leggett Creek	1706030504	30.1	4.4	2.5	Fi, G, R
<u>J23</u>		Newsome Creek	1706030505	47.8			F, Fi, R
<u>J23</u>		American River	1706030506	47.4		10.2	F, Fi, R, U
<u>J23</u>		Red River	1706030507	58.3		7.7	F, Fi, R
<u>J23</u>		Crooked River	1706030508	23.2		3.4	F, Fi, M



Map Code	Subbasin	Watershed or Corridor	HUC5 Code	Spawning/ Rearing PCEs (mi)	Rearing/ Migration PCEs (mi)	Presence/ Migration Only PCEs (mi)*	Management Activities**
<u>J23</u>		Ten Mile Creek	1706030509	13.2		2.1	F, Fi, R
<u>J23</u>		John's Creek	1706030510	23.2		9.4	F, Fi, R
<u>J23</u>		Mill Creek	1706030511	15.9		4.0	R
<u>J23</u>		Three Mile Creek	1706030512	10.7			A, F, Fi, R, U
<u>J23</u>		Cottonwood Creek	1706030513	1.4			A, F, Fi, R
<u>J24</u>	Clearwater	Lower Clearwater River	1706030601	7.5		10.9	A, D, R, U
<u>J24</u>		Clearwater River/ Lower Potlatch River	1706030602	9.1		4.2	A, Fi, R
<u>J24</u>		Potlatch River/ Middle Potlatch Creek	1706030603	13.2			A, F, R, U
<u>J24</u>		Big Bear Creek	1706030604	2.0			A, D, F, Fi, M, R, U
<u>J24</u>		Potlatch River/ Pine Creek	1706030606	27.0			A, F, Fi, R, U
<u>J24</u>		Upper Potlatch River	1706030607	47.1		10.1	A, D, F, Fi, G, M, R, U
<u>J24</u>		Clearwater River/ Bedrock Creek	1706030608	10.3		10.9	A, F, Fi, M, R
<u>J24</u>		Clearwater River/ Jack's Creek	1706030609	7.3	6.4	2.6	A, R
<u>J24</u>		Big Canyon Creek	1706030610	21.9		6.9	A, F, Fi, G, R, U
<u>J24</u>		Little Canyon Creek	1706030611	18.6			A, D, F, R

Map Code	Subbasin	Watershed or Corridor	HUC5 Code	Spawning/ Rearing PCEs (mi)	Rearing/ Migration PCEs (mi)	Presence/ Migration Only PCEs (mi)*	Management Activities**
<u>J24</u>		Clearwater River/ Lower Orofino Creek	1706030612	6.1	9.5		A, F, Fi, M, R, U
<u>J24</u>		Upper Orofino Creek	1706030613	1.5			F, Fi, M, R
<u>J24</u>		Jim Ford Creek	1706030614	8.1			F, Fi, R
<u>J24</u>		Lower Lolo Creek	1706030615	22.8			A, F, Fi, G, R
<u>J24</u>		Middle Lolo Creek	1706030616	19.4		6.1	A, F, Fi, G, R
<u>J24</u>		Musselshell Creek	1706030617	6.9		4.2	F, Fi, R
<u>J24</u>		Upper Lolo Creek	1706030618			14.3	R
<u>J24</u>		Eldorado Creek	1706030619	10.5		2.1	R
<u>J24</u>		Clearwater River/ Fivemile Creek	1706030620		10.9		A, F, G, M, R
<u>J24</u>		Clearwater River/ Sixmile Creek	1706030621	6.1	8.2		A, F, Fi, G, R
<u>J24</u>		Clearwater River/ Tom Taha Creek	1706030622		10.7	1.9	A, F, Fi, R, U
<u>J24</u>		Lower Lawyer Creek	1706030623	12.4			A, R, U
<u>J24</u>		Middle Lawyer Creek	1706030624	11.3			A, R
<u>J24</u>		Cottonwood Creek	1706030627	11.3			A, F, Fi, R
<u>J24</u>		Upper Sweetwater Creek	1706030630	12.5			A, D, F, R
<u>J24</u>		Lower Sweetwater Creek	1706030631	12.6			A, R, U

Map Code	Subbasin	Watershed or Corridor	HUC5 Code	Spawning/ Rearing PCEs (mi)	Rearing/ Migration PCEs (mi)	Presence/ Migration Only PCEs (mi)*	Management Activities**
<u>J25</u>	Lower North Fork Clearwater	Lower North Fork Clearwater River	1706030801		2.0		A, D, F, Fi, R
	Multiple	Lower Snake/ Columbia River Corridor	NA			378	D, I, T, W

\* Some streams classified as “Presence/ Migration Only PCEs” may also include rearing or spawning PCEs, but the GIS data are still undergoing review to confirm species use type.

\*\* This list is not exhaustive. It is intended to highlight key management activities affecting PCEs in each watershed. Activities identified are based on the general categories described by Spence et al. (1996) and summarized previously in the “Special Management Considerations or Protection” section of this report. Coding is as follows: A = agriculture, C = channel modifications/diking, D = hydroelectric dams, F= forestry, Fi = fire activity and disturbance, G = grazing, I = irrigation impoundments and withdrawals, M = mineral mining, R = road building/ maintenance, Rec = recreational facilities and activities management, S = sand and gravel mining, T = river, estuary, and ocean traffic, U = urbanization, W = wetland loss/ removal, X = exotic/ invasive species introductions. Primary sources for this information include the CHART and reports by Ecovista (2003b), Quigley et al. (2001), NMFS (1998), and ICBTRT (2003).

**Table J2.** Summary of Initial CHART Scores and Ratings of Conservation Value for Habitat Areas in HUC5 Watersheds Occupied by the Snake River Basin Steelhead ESU

Map Code	Subbasin	Watershed or Corridor	HUC5 Code	Total HUC5 Score (0-18)	Comments/ Other Considerations	Initial CHART Rating of Conservation Value
<u>J1</u>	Hells Canyon	Snake River/ Granite Creek	1706010101	14	High HUC5 score; Although this area does not support a historically independent population, the CHART determined that the watershed may be important for ESU viability or other recovery goals	High
<u>J1</u>	Hells Canyon	Snake River/ Getta Creek	1706010102	13	High HUC5 score; Although this area does not support a historically independent population, the CHART determined that the watershed may be important for ESU viability or other recovery goals; Priority Watershed (NMFS 1998)	High
<u>J1</u>	Hells Canyon	Snake River/ Divide Creek	1706010104	13	High HUC5 score; Not identified as supporting a historically independent population; However, the CHART determined that maintaining this area may be important for ESU viability or other recovery goals; Priority Watershed (NMFS 1998); AFS Critical Watershed	High
<u>J2</u>	Imnaha River	Upper Imnaha River	1706010201	15	High HUC5 score; PCEs support the only population in the Imnaha group; AFS Critical Watershed	High
<u>J2</u>	Imnaha River	Middle Imnaha River	1706010202	13	High HUC5 score; PCEs support the only population in the Imnaha group; AFS Critical Watershed	High
<u>J2</u>	Imnaha River	Big Sheep Creek	1706010203	15	High HUC5 score; PCEs support the only population in the Imnaha group; AFS Critical Watershed	High
<u>J2</u>	Imnaha River	Little Sheep Creek	1706010204	13	High HUC5 score; PCEs support the only population in the Imnaha group	High

<b>Map Code</b>	<b>Subbasin</b>	<b>Watershed or Corridor</b>	<b>HUC5 Code</b>	<b>Total HUC5 Score (0-18)</b>	<b>Comments/ Other Considerations</b>	<b>Initial CHART Rating of Conservation Value</b>
<u>J2</u>	Imnaha River	Lower Imnaha River	1706010205	16	High HUC5 score; PCEs support the only population in the Imnaha group; AFS Critical Watershed	High
<u>J3</u>	Lower Snake/Asotin	SNAKE River/ Rogersburg	1706010301	14	High HUC5 score; PCEs support one of twelve populations in the Salmon River group; AFS Critical Watershed	High
<u>J3</u>	Lower Snake/Asotin	Asotin River	1706010302	17	High HUC5 score; PCEs support one of two populations within the Lower Snake River group	High
<u>J3</u>	Lower Snake/Asotin	SNAKE River/ Captain John Creek	1706010303	13	High HUC5 score; PCEs support one of four populations within the Grande Ronde group	High
<u>J4</u>	Upper Grande Ronde	Upper Grande Ronde River	1706010401	13	High HUC5 score; PCEs support one of four populations within the Grande Ronde group; AFS Critical Watershed	High
<u>J4</u>	Upper Grande Ronde	Meadow Creek	1706010402	12	High HUC5 score; PCEs support one of four populations within the Grande Ronde group	High
<u>J4</u>	Upper Grande Ronde	Grande Ronde River/ Beaver Creek	1706010403	13	High HUC5 score; PCEs support one of four populations within the Grande Ronde group; AFS Critical Watershed	High
<u>J4</u>	Upper Grande Ronde	Grande Ronde River/ Five Points Creek	1706010404	11	Medium HUC5 score, but CHART determined that the spawning and rearing habitat in this HUC5 is essential for conservation and the HUC5 should be rated as High; PCEs support one of four populations within the Grande Ronde group; AFS Critical Watershed	High
<u>J4</u>	Upper Grande Ronde	Catherine Creek	1706010405	16	High HUC5 score; PCEs support one of four populations within the Grande Ronde group; AFS Critical Watershed	High

Map Code	Subbasin	Watershed or Corridor	HUC5 Code	Total HUC5 Score (0-18)	Comments/ Other Considerations	Initial CHART Rating of Conservation Value
<u>J4</u>	Upper Grande Ronde	Ladd Creek	1706010406	13	High HUC5 score, but CHART determined that the PCEs in this HUC5 are likely less important than other HUC5s in this area; PCEs support one of four populations within the Grande Ronde group	Medium
<u>J4</u>	Upper Grande Ronde	Grande Ronde River/ Mill Creek	1706010407	12	High HUC5 score, but CHART determined that the PCEs in this HUC5 are likely less important than other HUC5s in this area; PCEs support one of four populations within the Grande Ronde group	Medium
<u>J4</u>	Upper Grande Ronde	Phillips Creek/ Willow Creek	1706010408	13	High HUC5 score; PCEs support one of four populations within the Grande Ronde group	High
<u>J4</u>	Upper Grande Ronde	Grande Ronde River/ Indian Creek	1706010409	14	High HUC5 score; PCEs support one of four populations within the Grande Ronde group; AFS Critical Watershed	High
<u>J4</u>	Upper Grande Ronde	Lookingglass Creek	1706010410	14	High HUC5 score; PCEs support one of four populations within the Grande Ronde group; AFS Critical Watershed	High
<u>J4</u>	Upper Grande Ronde	Grande Ronde River/ Cabin Creek	1706010411	12	High HUC5 score; PCEs support one of four populations within the Grande Ronde group	High
<u>J5</u>	Wallowa River	Upper Wallowa River	1706010501	12	High HUC5 score; PCEs support one of four populations within the Grande Ronde group	High
<u>J5</u>	Wallowa River	Lostine River	1706010502	13	High HUC5 score; PCEs support one of four populations within the Grande Ronde group; Priority Watershed (NMFS 1998); AFS Critical Watershed	High

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<u>J5</u>	Wallowa River	Middle Wallowa River	1706010503	11	Medium HUC5 score; PCEs support one of four populations within the Grande Ronde group; Priority Watershed (NMFS 1998)	Medium
<u>J5</u>	Wallowa River	Bear Creek	1706010504	13	High HUC5 score; PCEs support one of four populations within the Grande Ronde group; Priority Watershed (NMFS 1998); AFS Critical Watershed	High
<u>J5</u>	Wallowa River	Minam River	1706010505	17	High HUC5 score; PCEs support one of four populations within the Grande Ronde group; Priority Watershed (NMFS 1998); AFS Critical Watershed	High
<u>J5</u>	Wallowa River	Lower Wallowa River	1706010506	12	High HUC5 score; PCEs support one of four populations within the Grande Ronde group; Priority Watershed (NMFS 1998)	High
<u>J6</u>	Lower Grande Ronde	Grande Ronde River/ Rondowa	1706010601	14	High HUC5 score; PCEs support one of four populations within the Grande Ronde group; Priority Watershed (NMFS 1998)	High
<u>J6</u>	Lower Grande Ronde	Grande Ronde River/ Mud Creek	1706010602	16	High HUC5 score; PCEs support one of four populations within the Grande Ronde group; Priority Watershed (NMFS 1998)	High
<u>J6</u>	Lower Grande Ronde	Weneha River	1706010603	17	High HUC5 score; PCEs support one of four populations within the Grande Ronde group; Priority Watershed (NMFS 1998); AFS Critical Watershed	High

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<u>J6</u>	Lower Grande Ronde	Chesnimnus Creek	1706010604	15	High HUC5 score; PCEs support the only population within the Grande Ronde group for which the TRT found no evidence of hatchery introgression; Priority Watershed (NMFS 1998); AFS Critical Watershed	High
<u>J6</u>	Lower Grande Ronde	Upper Joseph Creek	1706010605	15	High HUC5 score; PCEs support the only population within the Grande Ronde group for which the TRT found no evidence of hatchery introgression; Priority Watershed (NMFS 1998); AFS Critical Watershed	High
<u>J6</u>	Lower Grande Ronde	Lower Joseph Creek	1706010606	14	High HUC5 score; PCEs support the only population within the Grande Ronde group for which the TRT found no evidence of hatchery introgression; Priority Watershed (NMFS 1998); AFS Critical Watershed	High
<u>J6</u>	Lower Grande Ronde	Lower Grande Ronde River/ Menathce Creek	1706010607	12	High HUC5 score; PCEs support one of four populations within the Grande Ronde group; Priority Watershed (NMFS 1998)	High
<u>J7</u>	Lower Snake/ Tucannon	Alpowa Creek	1706010701	8	Low HUC5 score; PCEs support one of two populations within the Lower Snake River group	Medium
<u>J7</u>	Lower Snake/ Tucannon	Snake River/ Steptoe Canyon	1706010702	8	Low HUC5 score; PCEs support one of two populations within the Lower Snake River group	Low
<u>J7</u>	Lower Snake/ Tucannon	Deadman Creek	1706010703	10	Medium HUC5 score; PCEs support one of two populations within the Lower Snake River group	Low
<u>J7</u>	Lower Snake/ Tucannon	Flat Creek	1706010704	5	Low HUC5 score; PCEs support one of two populations within the Lower Snake River group	Low



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<u>J7</u>	Lower Snake/ Tucannon	Pataha Creek	1706010705	7	Low HUC5 score; PCEs support one of two populations within the Lower Snake River group	Low
<u>J7</u>	Lower Snake/ Tucannon	Upper Tucannon River	1706010706	15	High HUC5 score; PCEs support one of two populations within the Lower Snake River group; Priority Watershed (NMFS 1998)	High
<u>J7</u>	Lower Snake/ Tucannon	Lower Tucannon River	1706010707	14	High HUC5 score; PCEs support one of two populations within the Lower Snake River group	High
<u>J7</u>	Lower Snake/ Tucannon	Snake River/ Penawawa Creek	1706010708	8	Low HUC5 score; PCEs support one of two populations within the Lower Snake River group	Medium
<u>J8</u>	Palouse River	Lower Palouse River	1706010808	5	Low HUC5 score; Not identified as supporting a historically independent population	Low
<u>J9</u>	Upper Salmon	Salmon River/ Challis	1706020101	17	High HUC5 score; PCEs support one of twelve populations in the Salmon River group	High
<u>J9</u>	Upper Salmon	Salmon River/ Bayhorse Creek	1706020104	12	High HUC5 score; PCEs support one of twelve populations in the Salmon River group	High
<u>J9</u>	Upper Salmon	East Fork Salmon River/ McDonald Creek	1706020105	13	High HUC5 score; PCEs support one of twelve populations in the Salmon River group	High
<u>J9</u>	Upper Salmon	Road Creek	1706020107	6	Low HUC5 score; PCEs support one of twelve populations in the Salmon River group; Priority Watershed (NMFS 1998)	Low
<u>J9</u>	Upper Salmon	Herd Creek	1706020108	13	High HUC5 score; PCEs support one of twelve populations in the Salmon River group	High
<u>J9</u>	Upper Salmon	East Fork Salmon River/ Big Boulder Creek	1706020109	12	High HUC5 score; PCEs support one of twelve populations in the Salmon River group	High

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<u>J9</u>	Upper Salmon	Upper East Fork Salmon River	1706020110	13	High HUC5 score; PCEs support one of twelve populations in the Salmon River group	High
<u>J9</u>	Upper Salmon	Germania Creek	1706020111	13	High HUC5 score; PCEs support one of twelve populations in the Salmon River group	High
<u>J9</u>	Upper Salmon	Salmon River/ Kinnikinic Creek	1706020112	7	Medium HUC5 score; PCEs support one of twelve populations in the Salmon River group	Medium
<u>J9</u>	Upper Salmon	Salmon River/ Slate Creek	1706020113	11	Medium HUC5 score; PCEs support one of twelve populations in the Salmon River group; Priority Watershed (NMFS 1998)	Medium
<u>J9</u>	Upper Salmon	Warm Springs Creek	1706020114	14	High HUC5 score; PCEs support one of twelve populations in the Salmon River group	High
<u>J9</u>	Upper Salmon	Salmon River/ Big Casino Creek	1706020115	14	High HUC5 score; PCEs support one of twelve populations in the Salmon River group	High
<u>J9</u>	Upper Salmon	Salmon River/ Fisher Creek	1706020117	14	High HUC5 score; PCEs support one of twelve populations in the Salmon River group	High
<u>J9</u>	Upper Salmon	Salmon River/ Fourth of July Creek	1706020118	13	High HUC5 score; PCEs support one of twelve populations in the Salmon River group	High
<u>J9</u>	Upper Salmon	Upper Salmon River	1706020119	14	High HUC5 score; PCEs support one of twelve populations in the Salmon River group	High
<u>J9</u>	Upper Salmon	Alturas Lake Creek	1706020120	15	High HUC5 score; PCEs support one of twelve populations in the Salmon River group	High
<u>J9</u>	Upper Salmon	Redfish Lake Creek	1706020121	14	High HUC5 score; PCEs support one of twelve populations in the Salmon River group	High
<u>J9</u>	Upper Salmon	Valley Creek/ Iron Creek	1706020122	14	High HUC5 score; PCEs support one of twelve populations in the Salmon River group	High

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<u>J9</u>	Upper Salmon	Upper Valley Creek	1706020123	15	High HUC5 score; PCEs support one of twelve populations in the Salmon River group	High
<u>J9</u>	Upper Salmon	Basin Creek	1706020124	14	High HUC5 score; PCEs support one of twelve populations in the Salmon River group; Priority Watershed (NMFS 1998)	High
<u>J9</u>	Upper Salmon	Yankee Fork/ Jordan Creek	1706020125	11	Medium HUC5 score; PCEs support one of twelve populations in the Salmon River group; Priority Watershed (NMFS 1998)	Medium
<u>J9</u>	Upper Salmon	West Fork Yankee Fork	1706020126	17	High HUC5 score; PCEs support one of twelve populations in the Salmon River group	High
<u>J9</u>	Upper Salmon	Upper Yankee Fork	1706020127	12	High HUC5 score; PCEs support one of twelve populations in the Salmon River group; Priority Watershed (NMFS 1998)	High
<u>J9</u>	Upper Salmon	Squaw Creek	1706020128	11	Medium HUC5 score; PCEs support one of twelve populations in the Salmon River group; Priority Watershed (NMFS 1998)	Medium
<u>J9</u>	Upper Salmon	Garden Creek	1706020129	8	Medium HUC5 score; PCEs support one of twelve populations in the Salmon River group	Medium
<u>J9</u>	Upper Salmon	Challis Creek/ Mill Creek	1706020130	7	Medium HUC5 score; PCEs support one of twelve populations in the Salmon River group	Medium
<u>J9</u>	Upper Salmon	Morgan Creek	1706020132	16	High HUC5 score; PCEs support one of twelve populations in the Salmon River group; Priority Watershed (NMFS 1998)	High
<u>J10</u>	Pahsimeroi	Lower Pahsimeroi River	1706020201	16	High HUC5 score; PCEs support one of twelve populations in the Salmon River group	High
<u>J10</u>	Pahsimeroi	Pahsimeroi River/ Falls Creek	1706020202	11	Medium HUC5 score; PCEs support one of twelve populations in the Salmon River group	Medium

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<u>J10</u>	Pahsimeroi	Paterson Creek	1706020203	8	Medium HUC5 score; PCEs support one of twelve populations in the Salmon River group	Medium
<u>J10</u>	Pahsimeroi	Big Creek	1706020204	8*	Unoccupied HUC5, but ephemeral barrier prevents population expansion into this HUC5; CHART determined that this HUC5 may be essential for conservation; Medium HUC5 score	Possibly Medium
<u>J10</u>	Pahsimeroi	Pahsimeroi River/ Goldberg Creek	1706020205	7*	Unoccupied HUC5, but ephemeral barrier prevents population expansion into this HUC5; CHART determined that this HUC5 may be essential for conservation; Medium HUC5 score	Possibly Medium
<u>J10</u>	Pahsimeroi	Upper Pahsimeroi River	1706020206	12*	Unoccupied HUC5, but ephemeral barrier prevents population expansion into this HUC5; CHART determined that this HUC5 may be essential for conservation; Medium HUC5 score	Possibly Medium
<u>J11</u>	Middle Salmon-Panther	Salmon River/ Colson Creek	1706020301	17	High HUC5 score; PCEs support one of twelve populations in the Salmon River group	High
<u>J11</u>	Middle Salmon-Panther	Owl Creek	1706020302	8	Medium HUC5 score; PCEs support one of twelve populations in the Salmon River group	Medium
<u>J11</u>	Middle Salmon-Panther	Salmon River/ Pine Creek	1706020303	17	High HUC5 score; PCEs support one of twelve populations in the Salmon River group	High
<u>J11</u>	Middle Salmon-Panther	Indian Creek	1706020304	17	High HUC5 score; PCEs support one of twelve populations in the Salmon River group	High
<u>J11</u>	Middle Salmon-Panther	Salmon River/ Moose Creek	1706020305	18	High HUC5 score; PCEs support two of twelve populations in the Salmon River group	High

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<u>J11</u>	Middle Salmon-Panther	North Fork Salmon River	1706020306	18	High HUC5 score; PCEs support one of twelve populations in the Salmon River group; Priority Watershed (NMFS 1998)	High
<u>J11</u>	Middle Salmon-Panther	Salmon River/ Tower Creek	1706020307	15	High HUC5 score; PCEs support one of twelve populations in the Salmon River group	High
<u>J11</u>	Middle Salmon-Panther	Carmen Creek	1706020308	16	High HUC5 score; PCEs support one of twelve populations in the Salmon River group	High
<u>J11</u>	Middle Salmon-Panther	Salmon River/ Jesse Creek	1706020309	14	High HUC5 score; PCEs support one of twelve populations in the Salmon River group	High
<u>J11</u>	Middle Salmon-Panther	Salmon River/ Williams Creek	1706020310	10	Medium HUC5 score; PCEs support one of twelve populations in the Salmon River group	Medium
<u>J11</u>	Middle Salmon-Panther	Salmon River/ Twelvemile Creek	1706020311	14	High HUC5 score; PCEs support one of twelve populations in the Salmon River group	High
<u>J11</u>	Middle Salmon-Panther	Salmon River/ Cow Creek	1706020312	16	High HUC5 score; PCEs support one of twelve populations in the Salmon River group; Priority Watershed (NMFS 1998)	High
<u>J11</u>	Middle Salmon-Panther	Hat Creek	1706020313	11	Medium HUC5 score; PCEs support one of twelve populations in the Salmon River group; Priority Watershed (NMFS 1998)	Medium
<u>J11</u>	Middle Salmon-Panther	Iron Creek	1706020314	13	High HUC5 score; PCEs support one of twelve populations in the Salmon River group	High
<u>J11</u>	Middle Salmon-Panther	Upper Panther Creek	1706020315	16	High HUC5 score; PCEs support one of twelve populations in the Salmon River group	High
<u>J11</u>	Middle Salmon-Panther	Moyer Creek	1706020316	14	High HUC5 score; PCEs support one of twelve populations in the Salmon River group	High

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<u>J11</u>	Middle Salmon-Panther	Panther Creek/ Woodtick Creek	1706020317	16	High HUC5 score; PCEs support one of twelve populations in the Salmon River group	High
<u>J11</u>	Middle Salmon-Panther	Deep Creek	1706020318	12	High HUC5 score; PCEs support one of twelve populations in the Salmon River group	High
<u>J11</u>	Middle Salmon-Panther	Napias Creek	1706020319	7	Medium HUC5 score; PCEs support one of twelve populations in the Salmon River group	Medium
<u>J11</u>	Middle Salmon-Panther	Panther Creek/ Spring Creek	1706020320	12	High HUC5 score; PCEs support one of twelve populations in the Salmon River group	High
<u>J11</u>	Middle Salmon-Panther	Big Deer Creek	1706020321	5	Low HUC5 score; PCEs support one of twelve populations in the Salmon River group	Low
<u>J11</u>	Middle Salmon-Panther	Panther Creek/ Trail Creek	1706020322	11	Medium HUC5 score; PCEs support one of twelve populations in the Salmon River group; Priority Watershed (NMFS 1998)	Medium
<u>J11</u>	Middle Salmon-Panther	Clear Creek	1706020323	8	Medium HUC5 score; PCEs support one of twelve populations in the Salmon River group; Priority Watershed (NMFS 1998)	Medium
<u>J12</u>	Lemhi	Lemhi River/ Bohannon Creek	1706020401	15	High HUC5 score; PCEs support one of twelve populations in the Salmon River group	High
<u>J12</u>	Lemhi	Lemhi River/ Whimpey Creek	1706020402	16	High HUC5 score; PCEs support one of twelve populations in the Salmon River group	High
<u>J12</u>	Lemhi	Lemhi River/ Kenney Creek	1706020403	13	High HUC5 score; PCEs support one of twelve populations in the Salmon River group	High
<u>J12</u>	Lemhi	Agency Creek	1706020404	6	Low HUC5 score; PCEs support one of twelve populations in the Salmon River group	Low
<u>J12</u>	Lemhi	Lemhi River/ McDevitt Creek	1706020405	12	High HUC5 score; PCEs support one of twelve populations in the Salmon River group	High

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<u>J12</u>	Lemhi	Lemhi River/ Yearian Creek	1706020406	13	High HUC5 score; PCEs support one of twelve populations in the Salmon River group	High
<u>J12</u>	Lemhi	Peterson Creek	1706020407	12	High HUC5 score; PCEs support one of twelve populations in the Salmon River group; Priority Watershed (NMFS 1998)	High
<u>J12</u>	Lemhi	Big Eight Mile Creek	1706020408	14	High HUC5 score; PCEs support one of twelve populations in the Salmon River group; Priority Watershed (NMFS 1998)	High
<u>J12</u>	Lemhi	Canyon Creek	1706020409	12	High HUC5 score; PCEs support one of twelve populations in the Salmon River group; Priority Watershed (NMFS 1998)	High
<u>J12</u>	Lemhi	Hawley Creek	1706020410	13*	Unoccupied HUC5, but ephemeral barrier prevents population expansion into this HUC5; CHART determined that this HUC5 may be essential for conservation; High HUC5 score; Priority Watershed (NMFS 1998)	Possibly High
<u>J12</u>	Lemhi	Eighteen Mile Creek	1706020411	14*	Unoccupied HUC5, but ephemeral barrier prevents population expansion into this HUC5; CHART determined that this HUC5 may be essential for conservation; High HUC5 score; Priority Watershed (NMFS 1998)	Possibly High
<u>J12</u>	Lemhi	Texas Creek	1706020412	16*	Unoccupied HUC5, but ephemeral barrier prevents population expansion into this HUC5; CHART determined that this HUC5 may be essential for conservation; High HUC5 score; Priority Watershed (NMFS 1998)	Possibly High

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<u>J12</u>	Lemhi	Big Timber Creek	1706020413	13*	Unoccupied HUC5, but ephemeral barrier prevents population expansion into this HUC5; CHART determined that this HUC5 may be essential for conservation; High HUC5 score; Priority Watershed (NMFS 1998)	Possibly High
<u>J12</u>	Lemhi	Hayden Creek	1706020414	16	High HUC5 score; PCEs support one of twelve populations in the Salmon River group; Priority Watershed (NMFS 1998)	High
<u>J13</u>	Upper Middle Fork Salmon	Lower Loon Creek	1706020501	18	High HUC5 score; PCEs support one of only five populations within the ESU that are important strongholds of genetically unique steelhead; Priority Watershed (NMFS 1998)	High
<u>J13</u>	Upper Middle Fork Salmon	Warm Springs	1706020502	17	High HUC5 score; PCEs support one of only five populations within the ESU that are important strongholds of genetically unique steelhead; Priority Watershed (NMFS 1998)	High
<u>J13</u>	Upper Middle Fork Salmon	Upper Loon Creek	1706020503	17	High HUC5 score; PCEs support one of only five populations within the ESU that are important strongholds of genetically unique steelhead; Priority Watershed (NMFS 1998)	High
<u>J13</u>	Upper Middle Fork Salmon	Little Loon Creek	1706020504	15	High HUC5 score; PCEs support one of only five populations within the ESU that are important strongholds of genetically unique steelhead; Priority Watershed (NMFS 1998)	High
<u>J13</u>	Upper Middle Fork Salmon	Rapid River	1706020505	17	High HUC5 score; PCEs support one of only five populations within the ESU that are important strongholds of genetically unique steelhead; Priority Watershed (NMFS 1998)	High



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<u>J13</u>	Upper Middle Fork Salmon	Marsh Creek	1706020506	16	High HUC5 score; PCEs support one of only five populations within the ESU that are important strongholds of genetically unique steelhead; Priority Watershed (NMFS 1998)	High
<u>J13</u>	Upper Middle Fork Salmon	Middle Fork Salmon River/ Soldier Creek	1706020507	18	High HUC5 score; PCEs support one of only five populations within the ESU that are important strongholds of genetically unique steelhead; Priority Watershed (NMFS 1998)	High
<u>J13</u>	Upper Middle Fork Salmon	Bear Valley Creek	1706020508	17	High HUC5 score; PCEs support one of only five populations within the ESU that are important strongholds of genetically unique steelhead; Priority Watershed (NMFS 1998)	High
<u>J13</u>	Upper Middle Fork Salmon	Sulphur Creek	1706020509	14	High HUC5 score; PCEs support one of only five populations within the ESU that are important strongholds of genetically unique steelhead; Priority Watershed (NMFS 1998)	High
<u>J13</u>	Upper Middle Fork Salmon	Pistol Creek	1706020510	17	High HUC5 score; PCEs support one of only five populations within the ESU that are important strongholds of genetically unique steelhead; Priority Watershed (NMFS 1998)	High
<u>J13</u>	Upper Middle Fork Salmon	Indian Creek	1706020511	17	High HUC5 score; PCEs support one of only five populations within the ESU that are important strongholds of genetically unique steelhead; Priority Watershed (NMFS 1998)	High
<u>J13</u>	Upper Middle Fork Salmon	Upper Marble Creek	1706020512	16	High HUC5 score; PCEs support one of only five populations within the ESU that are important strongholds of genetically unique steelhead; Priority Watershed (NMFS 1998)	High

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<u>J13</u>	Upper Middle Fork Salmon	Middle Fork Salmon River/ Lower Marble Creek	1706020513	18	High HUC5 score; PCEs support one of only five populations within the ESU that are important strongholds of genetically unique steelhead; Priority Watershed (NMFS 1998)	High
<u>J14</u>	Lower Middle Fork Salmon	Lower Middle Fork Salmon River	1706020601	18	High HUC5 score; PCEs support one of only five populations within the ESU that are important strongholds of genetically unique steelhead; Priority Watershed (NMFS 1998)	High
<u>J14</u>	Lower Middle Fork Salmon	Wilson Creek	1706020602	15	High HUC5 score; PCEs support one of only five populations within the ESU that are important strongholds of genetically unique steelhead; Priority Watershed (NMFS 1998)	High
<u>J14</u>	Lower Middle Fork Salmon	Middle Fork Salmon River/ Brush Creek	1706020603	17	High HUC5 score; PCEs support one of only five populations within the ESU that are important strongholds of genetically unique steelhead; Priority Watershed (NMFS 1998)	High
<u>J14</u>	Lower Middle Fork Salmon	Yellow Jacket Creek	1706020604	17	High HUC5 score; PCEs support one of only five populations within the ESU that are important strongholds of genetically unique steelhead; Priority Watershed (NMFS 1998)	High
<u>J14</u>	Lower Middle Fork Salmon	Silver Creek	1706020605	13	High HUC5 score; PCEs support one of only five populations within the ESU that are important strongholds of genetically unique steelhead; Priority Watershed (NMFS 1998)	High
<u>J14</u>	Lower Middle Fork Salmon	Upper Camas Creek	1706020606	17	High HUC5 score; PCEs support one of only five populations within the ESU that are important strongholds of genetically unique steelhead; Priority Watershed (NMFS 1998)	High

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<u>J14</u>	Lower Middle Fork Salmon	West Fork Camas Creek	1706020607	15	High HUC5 score; PCEs support one of only five populations within the ESU that are important strongholds of genetically unique steelhead; Priority Watershed (NMFS 1998)	High
<u>J14</u>	Lower Middle Fork Salmon	Lower Camas Creek	1706020608	16	High HUC5 score; PCEs support one of only five populations within the ESU that are important strongholds of genetically unique steelhead; Priority Watershed (NMFS 1998)	High
<u>J14</u>	Lower Middle Fork Salmon	Middle Fork Salmon River/ Sheep Creek	1706020609	18	High HUC5 score; PCEs support one of only five populations within the ESU that are important strongholds of genetically unique steelhead; Priority Watershed (NMFS 1998)	High
<u>J14</u>	Lower Middle Fork Salmon	Rush Creek	1706020610	18	High HUC5 score; PCEs support one of only five populations within the ESU that are important strongholds of genetically unique steelhead; Priority Watershed (NMFS 1998)	High
<u>J14</u>	Lower Middle Fork Salmon	Monumental Creek	1706020611	18	High HUC5 score; PCEs support one of only five populations within the ESU that are important strongholds of genetically unique steelhead; Priority Watershed (NMFS 1998)	High
<u>J14</u>	Lower Middle Fork Salmon	Big Creek/ Little Marble Creek	1706020612	18	High HUC5 score; PCEs support one of only five populations within the ESU that are important strongholds of genetically unique steelhead; Priority Watershed (NMFS 1998)	High
<u>J14</u>	Lower Middle Fork Salmon	Upper Big Creek	1706020613	16	High HUC5 score; PCEs support one of only five populations within the ESU that are important strongholds of genetically unique steelhead; Priority Watershed (NMFS 1998)	High

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<u>J14</u>	Lower Middle Fork Salmon	Beaver Creek	1706020614	17	High HUC5 score; PCEs support one of only five populations within the ESU that are important strongholds of genetically unique steelhead; Priority Watershed (NMFS 1998)	High
<u>J14</u>	Lower Middle Fork Salmon	Big Ramey Creek	1706020615	17	High HUC5 score; PCEs support one of only five populations within the ESU that are important strongholds of genetically unique steelhead; Priority Watershed (NMFS 1998)	High
<u>J14</u>	Lower Middle Fork Salmon	Big Creek/ Crooked Creek	1706020616	18	High HUC5 score; PCEs support one of only five populations within the ESU that are important strongholds of genetically unique steelhead; Priority Watershed (NMFS 1998)	High
<u>J14</u>	Lower Middle Fork Salmon	Lower Big Creek	1706020617	18	High HUC5 score; PCEs support one of only five populations within the ESU that are important strongholds of genetically unique steelhead; Priority Watershed (NMFS 1998)	High
<u>J15</u>	Middle Salmon-Chamberlain	Salmon River/ Fall Creek	1706020701	11	Medium HUC5 score; PCEs support one of twelve populations in the Salmon River group	Medium
<u>J15</u>	Middle Salmon-Chamberlain	Wind River	1706020702	9	Low HUC5 score; PCEs support one of twelve populations in the Salmon River group; Priority Watershed (NMFS 1998)	Low
<u>J15</u>	Middle Salmon-Chamberlain	Salmon River/ California Creek	1706020703	14	High HUC5 score; PCEs support one of twelve populations in the Salmon River group	High
<u>J15</u>	Middle Salmon-Chamberlain	Sheep Creek	1706020704	15	High HUC5 score; PCEs support one of twelve populations in the Salmon River group; Priority Watershed (NMFS 1998)	High

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<u>J15</u>	Middle Salmon-Chamberlain	Crooked Creek	1706020705	14	High HUC5 score; PCEs support one of twelve populations in the Salmon River group; Priority Watershed (NMFS 1998)	High
<u>J15</u>	Middle Salmon-Chamberlain	Salmon River/ Rabbit Creek	1706020706	11	Medium HUC5 score; PCEs support one of twelve populations in the Salmon River group	Medium
<u>J15</u>	Middle Salmon-Chamberlain	Big Mallard Creek	1706020707	8	Low HUC5 score; PCEs support one of twelve populations in the Salmon River group	Low
<u>J15</u>	Middle Salmon-Chamberlain	Salmon River/ Trout Creek	1706020708	13	High HUC5 score; PCEs support one of twelve populations in the Salmon River group	High
<u>J15</u>	Middle Salmon-Chamberlain	Bargamin Creek	1706020709	16	High HUC5 score; PCEs support one of twelve populations in the Salmon River group; Priority Watershed (NMFS 1998)	High
<u>J15</u>	Middle Salmon-Chamberlain	Salmon River/ Rattlesnake Creek	1706020710	11	Medium HUC5 score; PCEs support one of twelve populations in the Salmon River group	Medium
<u>J15</u>	Middle Salmon-Chamberlain	Sabe Creek	1706020711	15	High HUC5 score; PCEs support one of twelve populations in the Salmon River group; Priority Watershed (NMFS 1998)	High
<u>J15</u>	Middle Salmon-Chamberlain	Salmon River/ Hot Springs Creek	1706020712	18	High HUC5 score; PCEs support one of twelve populations in the Salmon River group	High
<u>J15</u>	Middle Salmon-Chamberlain	Salmon River/ Disappointment Creek	1706020713	14	High HUC5 score; PCEs support one of twelve populations in the Salmon River group	High
<u>J15</u>	Middle Salmon-Chamberlain	Horse Creek	1706020714	14	High HUC5 score; PCEs support one of twelve populations in the Salmon River group	High
<u>J15</u>	Middle Salmon-Chamberlain	Salmon River/ Kitchen Creek	1706020715	13	High HUC5 score; PCEs support one of twelve populations in the Salmon River group	High

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<u>J15</u>	Middle Salmon-Chamberlain	Cottonwood Creek	1706020716	13	High HUC5 score; PCEs support one of twelve populations in the Salmon River group	High
<u>J15</u>	Middle Salmon-Chamberlain	Lower Chamberlain/McCalla Creek	1706020717	17	High HUC5 score; PCEs support one of twelve populations in the Salmon River group	High
<u>J15</u>	Middle Salmon-Chamberlain	Upper Chamberlain Creek	1706020718	17	High HUC5 score; PCEs support one of twelve populations in the Salmon River group	High
<u>J15</u>	Middle Salmon-Chamberlain	Warren Creek	1706020719	12	High HUC5 score; PCEs support one of twelve populations in the Salmon River group	High
<u>J16</u>	South Fork Salmon	Lower South Fork Salmon River	1706020801	15	High HUC5 score; PCEs support one of only five populations within the ESU that are important strongholds of genetically unique steelhead; Priority Watershed (NMFS 1998)	High
<u>J16</u>	South Fork Salmon	South Fork Salmon River/ Sheep Creek	1706020802	15	High HUC5 score; PCEs support one of only five populations within the ESU that are important strongholds of genetically unique steelhead; Priority Watershed (NMFS 1998)	High
<u>J16</u>	South Fork Salmon	Lower East Fork South Fork Salmon River	1706020803	14	High HUC5 score; PCEs support one of only five populations within the ESU that are important strongholds of genetically unique steelhead; Priority Watershed (NMFS 1998)	High
<u>J16</u>	South Fork Salmon	Upper East Fork South Fork Salmon River	1706020804	14	High HUC5 score; PCEs support one of only five populations within the ESU that are important strongholds of genetically unique steelhead; Priority Watershed (NMFS 1998)	High

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<u>J16</u>	South Fork Salmon	Lower Johnson Creek	1706020805	15	High HUC5 score; PCEs support one of only five populations within the ESU that are important strongholds of genetically unique steelhead; Priority Watershed (NMFS 1998)	High
<u>J16</u>	South Fork Salmon	Burntlog Creek	1706020806	13	High HUC5 score; PCEs support one of only five populations within the ESU that are important strongholds of genetically unique steelhead; Priority Watershed (NMFS 1998)	High
<u>J16</u>	South Fork Salmon	Upper Johnson Creek	1706020807	14	High HUC5 score; PCEs support one of only five populations within the ESU that are important strongholds of genetically unique steelhead; Priority Watershed (NMFS 1998)	High
<u>J16</u>	South Fork Salmon	Upper South Fork Salmon River	1706020808	18	High HUC5 score; PCEs support one of only five populations within the ESU that are important strongholds of genetically unique steelhead; Priority Watershed (NMFS 1998)	High
<u>J16</u>	South Fork Salmon	South Fork Salmon River/ Cabin Creek	1706020809	15	High HUC5 score; PCEs support one of only five populations within the ESU that are important strongholds of genetically unique steelhead; Priority Watershed (NMFS 1998)	High
<u>J16</u>	South Fork Salmon	South Fork Salmon River/ Blackmare Creek	1706020810	16	High HUC5 score; PCEs support one of only five populations within the ESU that are important strongholds of genetically unique steelhead; Priority Watershed (NMFS 1998)	High
<u>J16</u>	South Fork Salmon	Buckhorn Creek	1706020811	13	High HUC5 score; PCEs support one of only five populations within the ESU that are important strongholds of genetically unique steelhead; Priority Watershed (NMFS 1998)	High

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<u>J16</u>	South Fork Salmon	South Fork Salmon River/ Fitusum Creek	1706020812	16	High HUC5 score; PCEs support one of only five populations within the ESU that are important strongholds of genetically unique steelhead; Priority Watershed (NMFS 1998)	High
<u>J16</u>	South Fork Salmon	Lower Secesh River	1706020813	15	High HUC5 score; PCEs support one of only five populations within the ESU that are important strongholds of genetically unique steelhead; Priority Watershed (NMFS 1998)	High
<u>J16</u>	South Fork Salmon	Middle Secesh River	1706020814	15	High HUC5 score; PCEs support one of only five populations within the ESU that are important strongholds of genetically unique steelhead; Priority Watershed (NMFS 1998)	High
<u>J16</u>	South Fork Salmon	Upper Secesh River	1706020815	14	High HUC5 score; PCEs support one of only five populations within the ESU that are important strongholds of genetically unique steelhead; Priority Watershed (NMFS 1998)	High
<u>J17</u>	Lower Salmon	Salmon River/ China Creek	1706020901	13	High HUC5 score; PCEs support one of twelve populations in the Salmon River group	High
<u>J17</u>	Lower Salmon	Eagle Creek	1706020902	12	High HUC5 score; PCEs support one of twelve populations in the Salmon River group	High
<u>J17</u>	Lower Salmon	Deer Creek	1706020903	11	Medium HUC5 score; PCEs support one of twelve populations in the Salmon River group	Medium
<u>J17</u>	Lower Salmon	Salmon River/ Cottonwood Creek	1706020904	13	High HUC5 score; PCEs support one of twelve populations in the Salmon River group	High
<u>J17</u>	Lower Salmon	Salmon River/ Deep Creek	1706020905	12	High HUC5 score; PCEs support one of twelve populations in the Salmon River group	High



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<u>J17</u>	Lower Salmon	Rock Creek	1706020906	11	Medium HUC5 score; PCEs support one of twelve populations in the Salmon River group	Medium
<u>J17</u>	Lower Salmon	Salmon River/ Hammer Creek	1706020907	11	Medium HUC5 score; PCEs support one of twelve populations in the Salmon River group	High
<u>J17</u>	Lower Salmon	White Bird Creek	1706020908	15	High HUC5 score; PCEs support one of twelve populations in the Salmon River group; Priority Watershed (NMFS 1998)	High
<u>J17</u>	Lower Salmon	Salmon River/ McKinzie Creek	1706020909	12	High HUC5 score; PCEs support one of twelve populations in the Salmon River group	High
<u>J17</u>	Lower Salmon	Skookumchuck Creek	1706020910	12	High HUC5 score; PCEs support one of twelve populations in the Salmon River group; Priority Watershed (NMFS 1998)	High
<u>J17</u>	Lower Salmon	Slate Creek	1706020911	16	High HUC5 score; PCEs support one of twelve populations in the Salmon River group; Priority Watershed (NMFS 1998)	High
<u>J17</u>	Lower Salmon	Salmon River/ John Day Creek	1706020912	14	High HUC5 score; PCEs support one of twelve populations in the Salmon River group; Priority Watershed (NMFS 1998)	High
<u>J17</u>	Lower Salmon	Salmon River/ Lake Creek	1706020913	14	High HUC5 score; PCEs support two of twelve populations in the Salmon River group; Priority Watershed (NMFS 1998)	High
<u>J17</u>	Lower Salmon	Salmon River/ Van Creek	1706020914	11	Medium HUC5 score; PCEs support one of twelve populations in the Salmon River group	Medium
<u>J17</u>	Lower Salmon	French Creek	1706020915	12	High HUC5 score; PCEs support one of twelve populations in the Salmon River group	High
<u>J17</u>	Lower Salmon	Partridge Creek	1706020916	10	Medium HUC5 score; PCEs support one of twelve populations in the Salmon River group	Medium

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<u>J17</u>	Lower Salmon	Rice Creek	1706020917	10	Medium HUC5 score; PCEs support one of twelve populations in the Salmon River group	Medium
<u>J18</u>	Little Salmon	Lower Little Salmon River	1706021001	11	Medium HUC5 score; PCEs support one of twelve populations in the Salmon River group	Medium
<u>J18</u>	Little Salmon	Little Salmon River/ Hard Creek	1706021002	11	Medium HUC5 score; PCEs support one of twelve populations in the Salmon River group	Medium
<u>J18</u>	Little Salmon	Hazard Creek	1706021003	11	Medium HUC5 score; PCEs support one of twelve populations in the Salmon River group	Medium
<u>J18</u>	Little Salmon	Boulder Creek	1706021006	14	High HUC5 score; PCEs support one of twelve populations in the Salmon River group	High
<u>J18</u>	Little Salmon	Rapid River	1706021007	17	High HUC5 score; PCEs support one of twelve populations in the Salmon River group; Priority Watershed (NMFS 1998)	High
<u>J19</u>	Upper Selway	Selway River/ Pettibone Creek	1706030101	14	High HUC5 score; PCEs support one of only five populations within the ESU that are important strongholds of genetically unique steelhead; Priority Watershed (NMFS 1998)	High
<u>J19</u>	Upper Selway	Bear Creek	1706030102	16	High HUC5 score; PCEs support one of only five populations within the ESU that are important strongholds of genetically unique steelhead; Priority Watershed (NMFS 1998)	High
<u>J19</u>	Upper Selway	Selway River/ Gardner Creek	1706030103	15	High HUC5 score; PCEs support one of only five populations within the ESU that are important strongholds of genetically unique steelhead; Priority Watershed (NMFS 1998)	High

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<u>J19</u>	Upper Selway	White Cap Creek	1706030104	15	High HUC5 score; PCEs support one of only five populations within the ESU that are important strongholds of genetically unique steelhead; Priority Watershed (NMFS 1998)	High
<u>J19</u>	Upper Selway	Indian Creek	1706030105	14	High HUC5 score; PCEs support one of only five populations within the ESU that are important strongholds of genetically unique steelhead; Priority Watershed (NMFS 1998)	High
<u>J19</u>	Upper Selway	Upper Selway River	1706030106	15	High HUC5 score; PCEs support one of only five populations within the ESU that are important strongholds of genetically unique steelhead; Priority Watershed (NMFS 1998)	High
<u>J19</u>	Upper Selway	Burnt Knob Creek	1706030107	15	High HUC5 score; PCEs support one of only five populations within the ESU that are important strongholds of genetically unique steelhead; Priority Watershed (NMFS 1998)	High
<u>J19</u>	Upper Selway	Running Creek	1706030108	15	High HUC5 score; PCEs support one of only five populations within the ESU that are important strongholds of genetically unique steelhead; Priority Watershed (NMFS 1998)	High
<u>J19</u>	Upper Selway	Goat Creek	1706030109	14	High HUC5 score; PCEs support one of only five populations within the ESU that are important strongholds of genetically unique steelhead; Priority Watershed (NMFS 1998)	High
<u>J20</u>	Lower Selway	Selway River/ Goddard Creek	1706030201	12	High HUC5 score; PCEs support one of only five populations within the ESU that are important strongholds of genetically unique steelhead; Priority Watershed (NMFS 1998)	High

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<u>J20</u>	Lower Selway	Gedney Creek	1706030202	16	High HUC5 score; PCEs support one of only five populations within the ESU that are important strongholds of genetically unique steelhead; Priority Watershed (NMFS 1998)	High
<u>J20</u>	Lower Selway	Selway River/ Three Links Creek	1706030203	14	High HUC5 score; PCEs support one of only five populations within the ESU that are important strongholds of genetically unique steelhead; Priority Watershed (NMFS 1998)	High
<u>J20</u>	Lower Selway	Upper Three Links Creek	1706030204	12	High HUC5 score; PCEs support one of only five populations within the ESU that are important strongholds of genetically unique steelhead; Priority Watershed (NMFS 1998)	High
<u>J20</u>	Lower Selway	Rhoda Creek	1706030205	15	High HUC5 score; PCEs support one of only five populations within the ESU that are important strongholds of genetically unique steelhead; Priority Watershed (NMFS 1998)	High
<u>J20</u>	Lower Selway	North Fork Moose Creek	1706030207	15	High HUC5 score; PCEs support one of only five populations within the ESU that are important strongholds of genetically unique steelhead; Priority Watershed (NMFS 1998)	High
<u>J20</u>	Lower Selway	East Fork Moose Creek/ Trout Creek	1706030208	16	High HUC5 score; PCEs support one of only five populations within the ESU that are important strongholds of genetically unique steelhead; Priority Watershed (NMFS 1998)	High
<u>J20</u>	Lower Selway	Upper East Fork Moose Creek	1706030209	16	High HUC5 score; PCEs support one of only five populations within the ESU that are important strongholds of genetically unique steelhead; Priority Watershed (NMFS 1998)	High

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<u>J20</u>	Lower Selway	Martin Creek	1706030210	14	High HUC5 score; PCEs support one of only five populations within the ESU that are important strongholds of genetically unique steelhead; Priority Watershed (NMFS 1998)	High
<u>J20</u>	Lower Selway	Upper Meadow Creek	1706030211	15	High HUC5 score; PCEs support one of only five populations within the ESU that are important strongholds of genetically unique steelhead; Priority Watershed (NMFS 1998)	High
<u>J20</u>	Lower Selway	Middle Meadow Creek	1706030212	15	High HUC5 score; PCEs support one of only five populations within the ESU that are important strongholds of genetically unique steelhead; Priority Watershed (NMFS 1998)	High
<u>J20</u>	Lower Selway	Lower Meadow Creek	1706030213	16	High HUC5 score; PCEs support one of only five populations within the ESU that are important strongholds of genetically unique steelhead; Priority Watershed (NMFS 1998)	High
<u>J20</u>	Lower Selway	O'Hara Creek	1706030214	14	High HUC5 score; PCEs support one of only five populations within the ESU that are important strongholds of genetically unique steelhead; Priority Watershed (NMFS 1998)	High
<u>J21</u>	Lochsa	Lower Lochsa River	1706030301	12	High HUC5 score; PCEs support one of two populations in the Clearwater River group for which the TRT found no evidence of hatchery introgression; Priority Watershed (NMFS 1998)	High

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<u>J21</u>	Lochsa	Fish Creek	1706030302	17	High HUC5 score; PCEs support one of two populations in the Clearwater River group for which the TRT found no evidence of hatchery introgression; Priority Watershed (NMFS 1998)	High
<u>J21</u>	Lochsa	Lochsa River/ Stanley Creek	1706030303	12	High HUC5 score; PCEs support one of two populations in the Clearwater River group for which the TRT found no evidence of hatchery introgression; Priority Watershed (NMFS 1998)	High
<u>J21</u>	Lochsa	Lochsa River/ Squaw Creek	1706030304	14	High HUC5 score; PCEs support one of two populations in the Clearwater River group for which the TRT found no evidence of hatchery introgression; Priority Watershed (NMFS 1998)	High
<u>J21</u>	Lochsa	Lower Crooked Fork	1706030305	14	High HUC5 score; PCEs support one of two populations in the Clearwater River group for which the TRT found no evidence of hatchery introgression; Priority Watershed (NMFS 1998)	High
<u>J21</u>	Lochsa	Upper Crooked Fork	1706030306	15	High HUC5 score; PCEs support one of two populations in the Clearwater River group for which the TRT found no evidence of hatchery introgression; Priority Watershed (NMFS 1998)	High
<u>J21</u>	Lochsa	Brushy Fork	1706030307	15	High HUC5 score; PCEs support one of two populations in the Clearwater River group for which the TRT found no evidence of hatchery introgression; Priority Watershed (NMFS 1998)	High

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<u>J21</u>	Lochsa	Lower White Sands Creek	1706030308	15	High HUC5 score; PCEs support one of two populations in the Clearwater River group for which the TRT found no evidence of hatchery introgression; Priority Watershed (NMFS 1998)	High
<u>J21</u>	Lochsa	Storm Creek	1706030309	13	High HUC5 score; PCEs support one of two populations in the Clearwater River group for which the TRT found no evidence of hatchery introgression; Priority Watershed (NMFS 1998)	High
<u>J21</u>	Lochsa	Upper White Sands Creek	1706030310	9	Low HUC5 score; PCEs support one of two populations in the Clearwater River group for which the TRT found no evidence of hatchery introgression; Priority Watershed (NMFS 1998)	High
<u>J21</u>	Lochsa	Warm Springs Creek	1706030311	13	High HUC5 score; PCEs support one of two populations in the Clearwater River group for which the TRT found no evidence of hatchery introgression; Priority Watershed (NMFS 1998)	High
<u>J21</u>	Lochsa	Fish Lake Creek	1706030312	15	High HUC5 score; PCEs support one of two populations in the Clearwater River group for which the TRT found no evidence of hatchery introgression; Priority Watershed (NMFS 1998)	High
<u>J21</u>	Lochsa	Boulder Creek	1706030313	13	High HUC5 score; PCEs support one of two populations in the Clearwater River group for which the TRT found no evidence of hatchery introgression; Priority Watershed (NMFS 1998)	High

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<u>J21</u>	Lochsa	Old Man Creek	1706030314	13	High HUC5 score; PCEs support one of two populations in the Clearwater River group for which the TRT found no evidence of hatchery introgression; Priority Watershed (NMFS 1998)	High
<u>J22</u>	Middle Fork Clearwater	Middle Fork Clearwater River/ Maggie Creek	1706030401	13	High HUC5 score; PCEs support one of five populations in the Clearwater River group	High
<u>J22</u>	Middle Fork Clearwater	Clear Creek	1706030402	14	High HUC5 score; PCEs support one of five populations in the Clearwater River group; Priority Watershed (NMFS 1998)	High
<u>J23</u>	South Fork Clearwater	Lower South Fork Clearwater River	1706030501	10	Medium HUC5 score; PCEs support two of five populations in the Clearwater River group	Medium
<u>J23</u>	South Fork Clearwater	South Fork Clearwater River/ Meadow Creek	1706030502	12	High HUC5 score; PCEs support one of five populations in the Clearwater River group; Priority Watershed (NMFS 1998)	High
<u>J23</u>	South Fork Clearwater	South Fork Clearwater River/ Peasley Creek	1706030503	9	Low HUC5 score; PCEs support one of five populations in the Clearwater River group	Low
<u>J23</u>	South Fork Clearwater	South Fork Clearwater River/ Leggett Creek	1706030504	11	Medium HUC5 score; PCEs support one of five populations in the Clearwater River group	Medium
<u>J23</u>	South Fork Clearwater	Newsome Creek	1706030505	14	High HUC5 score; PCEs support one of five populations in the Clearwater River group; Priority Watershed (NMFS 1998)	High
<u>J23</u>	South Fork Clearwater	American River	1706030506	14	High HUC5 score; PCEs support one of five populations in the Clearwater River group; Priority Watershed (NMFS 1998)	High



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<u>J23</u>	South Fork Clearwater	Red River	1706030507	14	High HUC5 score; PCEs support one of five populations in the Clearwater River group; Priority Watershed (NMFS 1998)	High
<u>J23</u>	South Fork Clearwater	Crooked River	1706030508	14	High HUC5 score; PCEs support one of five populations in the Clearwater River group; Priority Watershed (NMFS 1998)	High
<u>J23</u>	South Fork Clearwater	Ten Mile Creek	1706030509	16	High HUC5 score; PCEs support one of five populations in the Clearwater River group; Priority Watershed (NMFS 1998)	High
<u>J23</u>	South Fork Clearwater	John's Creek	1706030510	16	High HUC5 score; PCEs support one of five populations in the Clearwater River group; Priority Watershed (NMFS 1998)	High
<u>J23</u>	South Fork Clearwater	Mill Creek	1706030511	12	High HUC5 score; PCEs support one of five populations in the Clearwater River group; Priority Watershed (NMFS 1998)	High
<u>J23</u>	South Fork Clearwater	Three Mile Creek	1706030512	9	Low HUC5 score; PCEs support one of five populations in the Clearwater River group	Low
<u>J23</u>	South Fork Clearwater	Cottonwood Creek	1706030513	11	Medium HUC5 score; PCEs support one of five populations in the Clearwater River group	Medium
<u>J24</u>	Clearwater	Lower Clearwater River	1706030601	9	Low HUC5 score; PCEs support one of five populations in the Clearwater River group	Low
<u>J24</u>	Clearwater	Clearwater River/ Lower Potlatch River	1706030602	10	Medium HUC5 score; PCEs support one of five populations in the Clearwater River group	Medium
<u>J24</u>	Clearwater	Potlatch River/ Middle Potlatch Creek	1706030603	11	Medium HUC5 score; PCEs support one of five populations in the Clearwater River group	Medium

Map Code	Subbasin	Watershed or Corridor	HUC5 Code	Total HUC5 Score (0-18)	Comments/ Other Considerations	Initial CHART Rating of Conservation Value
<u>J24</u>	Clearwater	Big Bear Creek	1706030604	11	Medium HUC5 score; PCEs support one of five populations in the Clearwater River group	Medium
<u>J24</u>	Clearwater	Potlatch River/ Pine Creek	1706030606	12	High HUC5 score; PCEs support one of five populations in the Clearwater River group	High
<u>J24</u>	Clearwater	Upper Potlatch River	1706030607	14	High HUC5 score; PCEs support one of five populations in the Clearwater River group	High
<u>J24</u>	Clearwater	Clearwater River/ Bedrock Creek	1706030608	12	High HUC5 score; PCEs support one of five populations in the Clearwater River group	High
<u>J24</u>	Clearwater	Clearwater River/ Jack's Creek	1706030609	12	High HUC5 score; PCEs support one of five populations in the Clearwater River group	High
<u>J24</u>	Clearwater	Big Canyon Creek	1706030610	14	High HUC5 score; PCEs support one of five populations in the Clearwater River group	High
<u>J24</u>	Clearwater	Little Canyon Creek	1706030611	13	High HUC5 score; PCEs support one of five populations in the Clearwater River group	High
<u>J24</u>	Clearwater	Clearwater River/ Lower Orofino Creek	1706030612	9	Low HUC5 score; PCEs support one of five populations in the Clearwater River group	Low
<u>J24</u>	Clearwater	Upper Orofino Creek	1706030613	6	Low HUC5 score; PCEs support one of five populations in the Clearwater River group	Low
<u>J24</u>	Clearwater	Jim Ford Creek	1706030614	11	Medium HUC5 score; PCEs support one of five populations in the Clearwater River group	Medium
<u>J24</u>	Clearwater	Lower Lolo Creek	1706030615	13	High HUC5 score; PCEs support two of five populations in the Clearwater River group; Priority Watershed (NMFS 1998)	High
<u>J24</u>	Clearwater	Middle Lolo Creek	1706030616	13	High HUC5 score; PCEs support one of five populations in the Clearwater River group	High

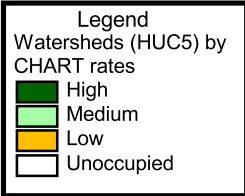
<b>Map Code</b>	<b>Subbasin</b>	<b>Watershed or Corridor</b>	<b>HUC5 Code</b>	<b>Total HUC5 Score (0-18)</b>	<b>Comments/ Other Considerations</b>	<b>Initial CHART Rating of Conservation Value</b>
<u>J24</u>	Clearwater	Musselshell Creek	1706030617	13	High HUC5 score; PCEs support one of five populations in the Clearwater River group	High
<u>J24</u>	Clearwater	Upper Lolo Creek	1706030618	13	High HUC5 score; PCEs support one of five populations in the Clearwater River group	High
<u>J24</u>	Clearwater	Eldorado Creek	1706030619	13	High HUC5 score; PCEs support one of five populations in the Clearwater River group	High
<u>J24</u>	Clearwater	Clearwater River/ Fivemile Creek	1706030620	10	Medium HUC5 score; PCEs support one of five populations in the Clearwater River group	Medium
<u>J24</u>	Clearwater	Clearwater River/ Sixmile Creek	1706030621	10	Medium HUC5 score; PCEs support one of five populations in the Clearwater River group	Medium
<u>J24</u>	Clearwater	Clearwater River/ Tom Taha Creek	1706030622	10	Medium HUC5 score; PCEs support one of five populations in the Clearwater River group	Medium
<u>J24</u>	Clearwater	Lower Lawyer Creek	1706030623	12	High HUC5 score; PCEs support one of five populations in the Clearwater River group	High
<u>J24</u>	Clearwater	Middle Lawyer Creek	1706030624	12	High HUC5 score; PCEs support one of five populations in the Clearwater River group	High
<u>J24</u>	Clearwater	Cottonwood Creek	1706030627	11	Medium HUC5 score; PCEs support one of five populations in the Clearwater River group	Medium
<u>J24</u>	Clearwater	Upper Sweetwater Creek	1706030630	10	Medium HUC5 score; PCEs support one of five populations in the Clearwater River group	Medium
<u>J24</u>	Clearwater	Lower Sweetwater Creek	1706030631	12	High HUC5 score; PCEs support one of five populations in the Clearwater River group	High
<u>J25</u>	Lower North Fork Clearwater	Lower North Fork Clearwater River	1706030801	9	Low HUC5 score; PCEs support one of five populations in the Clearwater River group	Low

Map Code	Subbasin	Watershed or Corridor	HUC5 Code	Total HUC5 Score (0-18)	Comments/ Other Considerations	Initial CHART Rating of Conservation Value
		Lower Snake/ Columbia River Corridor	NA	NA	Area not scored since many reaches are outside HUC5 boundaries. However, the CHART concluded that rearing and migration PCEs throughout this corridor are highly essential to ESU conservation.	High

\* Scored by CHART although HUC5 is currently blocked to anadromous *Onchorynchus mykiss*.

**Figure J1-3.** Initial CHART Ratings of Conservation Value for Habitat Areas in HUC5 Watersheds Occupied by the Snake River Basin Steelhead ESU

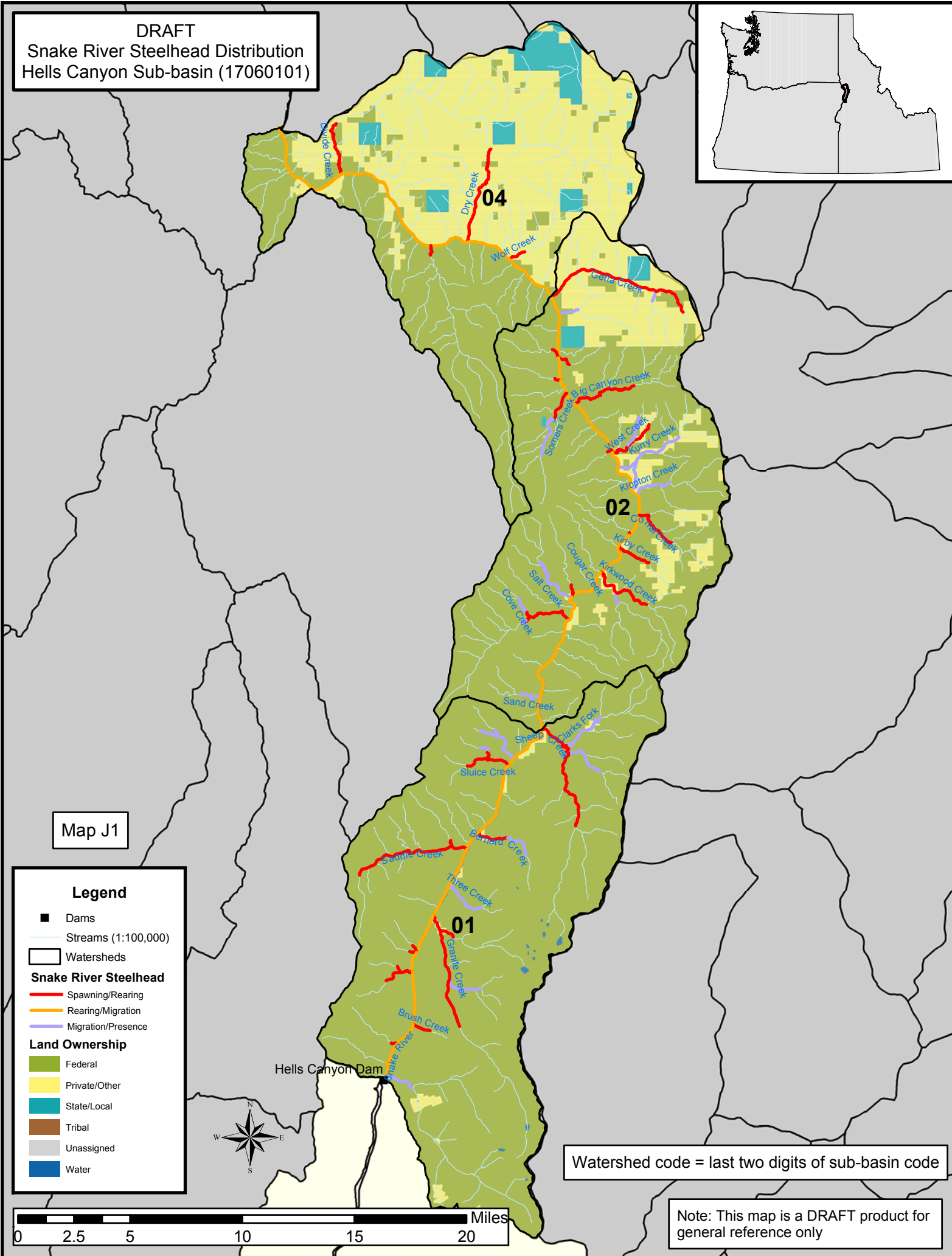
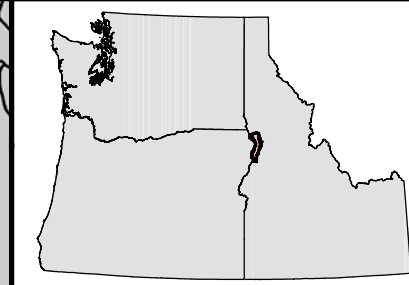
DRAFT  
Snake River Steelhead  
CHART Ratings by Watershed



7                      0                      7                      14                      21                      28 Miles

**Maps J1 through J25.** Snake River Basin Steelhead ESU – Habitat Areas Under Consideration for Critical Habitat Designation (Note: the Lower Snake/Columbia River corridor is not shown but is under consideration as described in the text)

**DRAFT**  
**Snake River Steelhead Distribution**  
**Hells Canyon Sub-basin (17060101)**



Map J1

**Legend**

- Dams
- Streams (1:100,000)
- Watersheds
- Snake River Steelhead**
  - Spawning/Rearing
  - Rearing/Migration
  - Migration/Presence
- Land Ownership**
  - Federal
  - Private/Other
  - State/Local
  - Tribal
  - Unassigned
  - Water

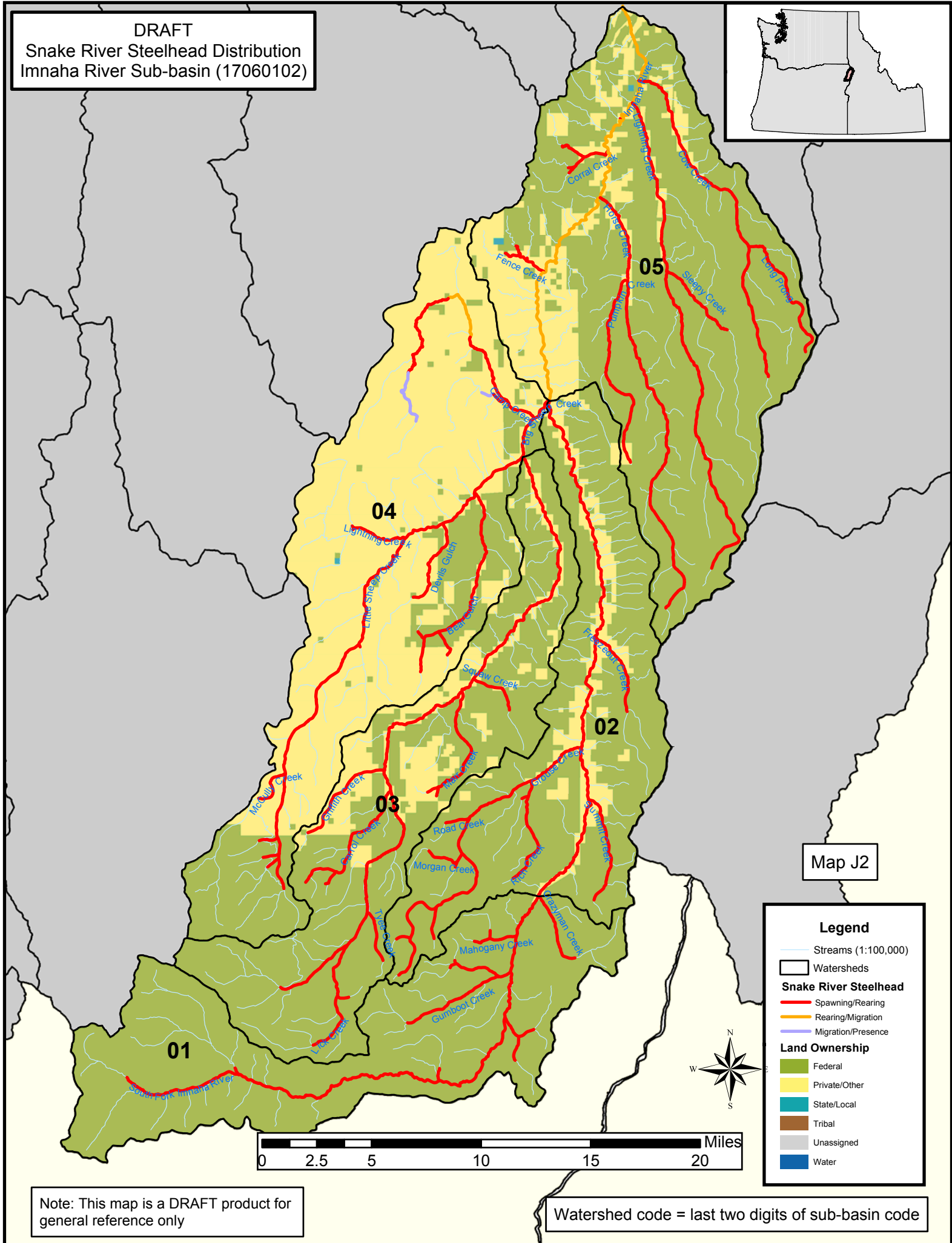
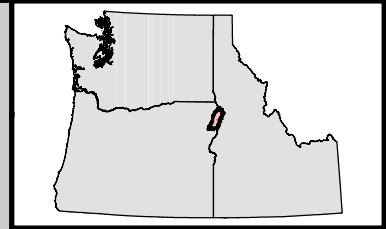
Watershed code = last two digits of sub-basin code

Note: This map is a DRAFT product for general reference only

0 2.5 5 10 15 20 Miles



**DRAFT**  
Snake River Steelhead Distribution  
Imnaha River Sub-basin (17060102)



Map J2

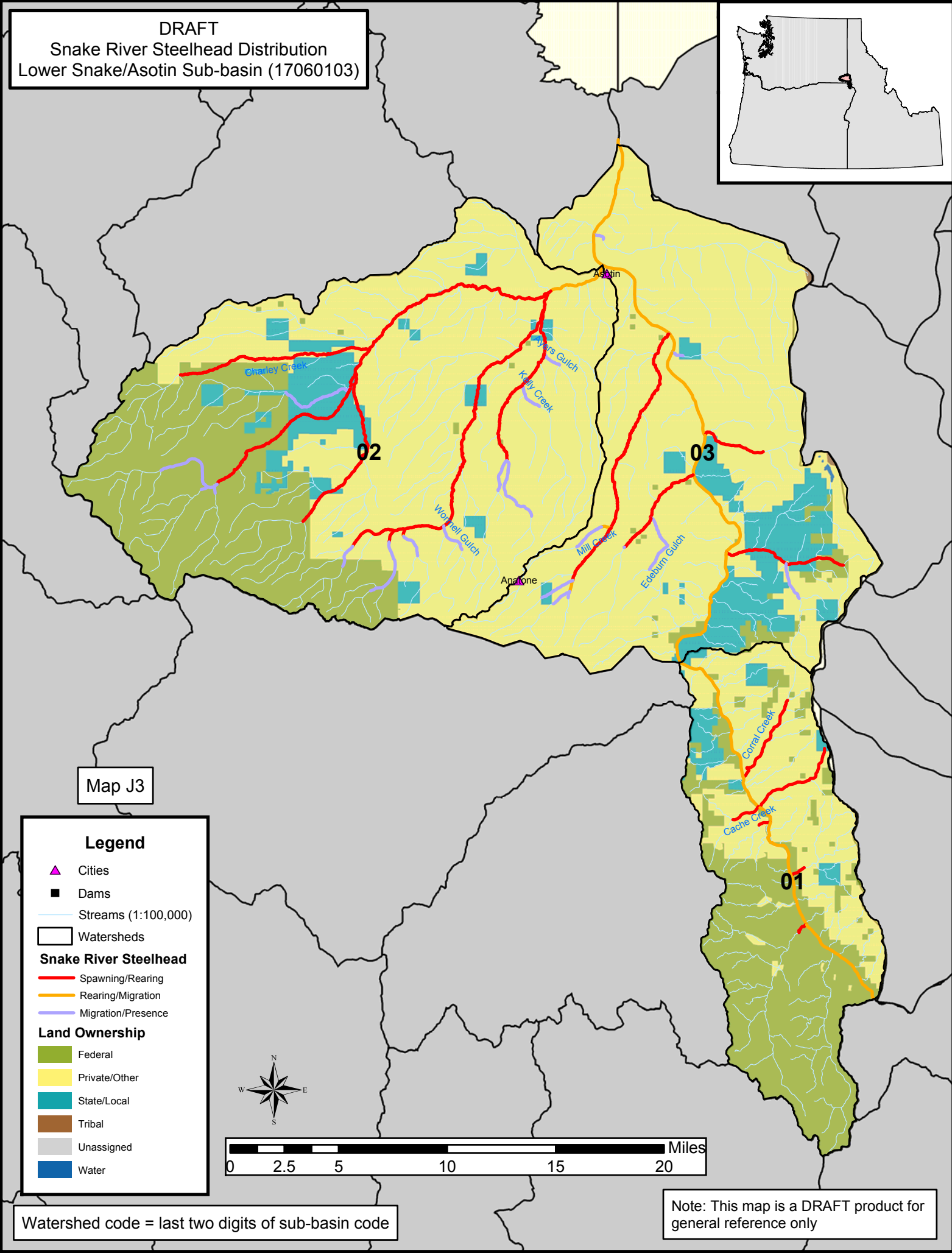
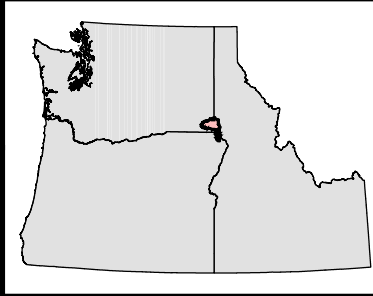
**Legend**

- Streams (1:100,000)
- Watersheds
- Snake River Steelhead**
  - Spawning/Rearing
  - Rearing/Migration
  - Migration/Presence
- Land Ownership**
  - Federal
  - Private/Other
  - State/Local
  - Tribal
  - Unassigned
  - Water

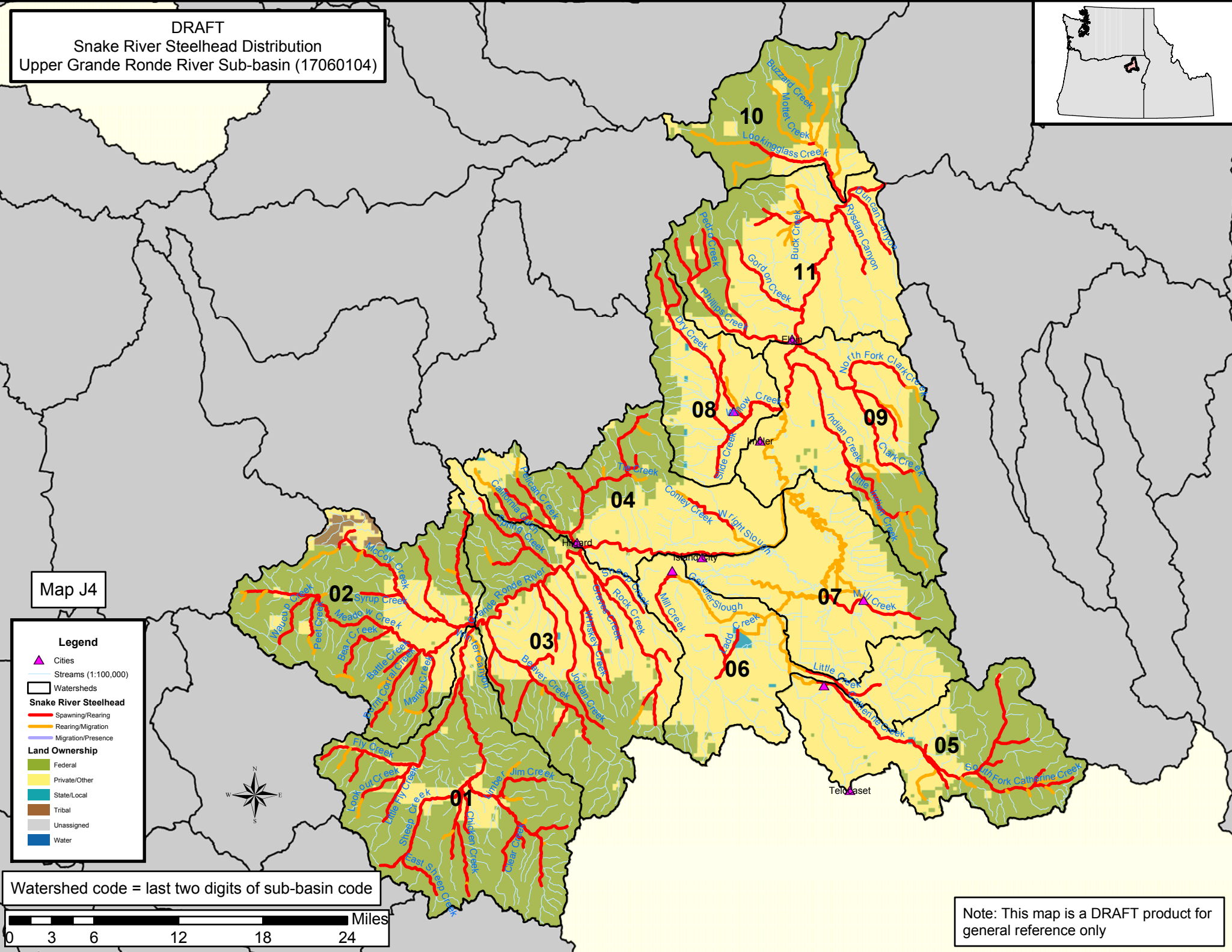
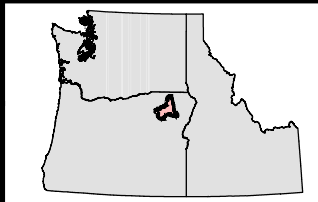
Note: This map is a DRAFT product for general reference only

Watershed code = last two digits of sub-basin code

DRAFT  
Snake River Steelhead Distribution  
Lower Snake/Asotin Sub-basin (17060103)



DRAFT  
Snake River Steelhead Distribution  
Upper Grande Ronde River Sub-basin (17060104)



Map J4

**Legend**

- ▲ Cities
- Streams (1:100,000)
- ▭ Watersheds
- Snake River Steelhead**
  - Spawning/Rearing
  - Rearing/Migration
  - Migration/Presence
- Land Ownership**
  - Federal
  - Private/Other
  - State/Local
  - Tribal
  - Unassigned
  - Water

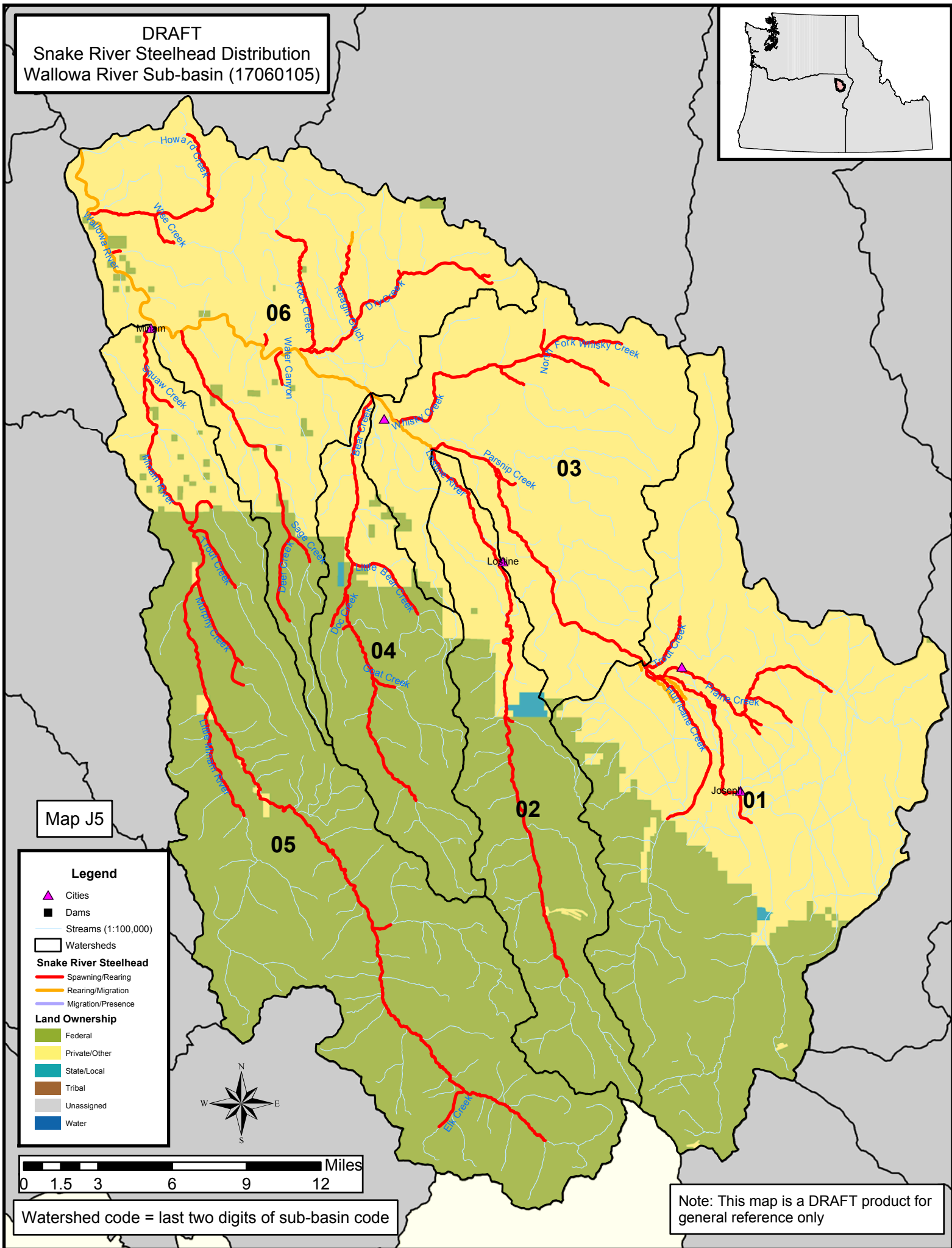
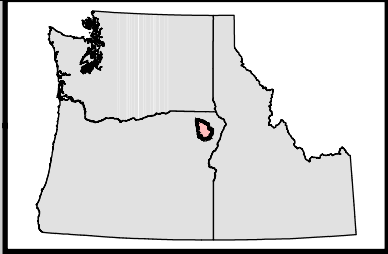
Watershed code = last two digits of sub-basin code

0 3 6 12 18 24 Miles

Note: This map is a DRAFT product for general reference only



**DRAFT**  
**Snake River Steelhead Distribution**  
**Wallowa River Sub-basin (17060105)**



Map J5

**Legend**

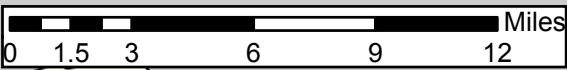
- ▲ Cities
- Dams
- Streams (1:100,000)
- Watersheds

**Snake River Steelhead**

- Spawning/Rearing
- Rearing/Migration
- Migration/Presence

**Land Ownership**

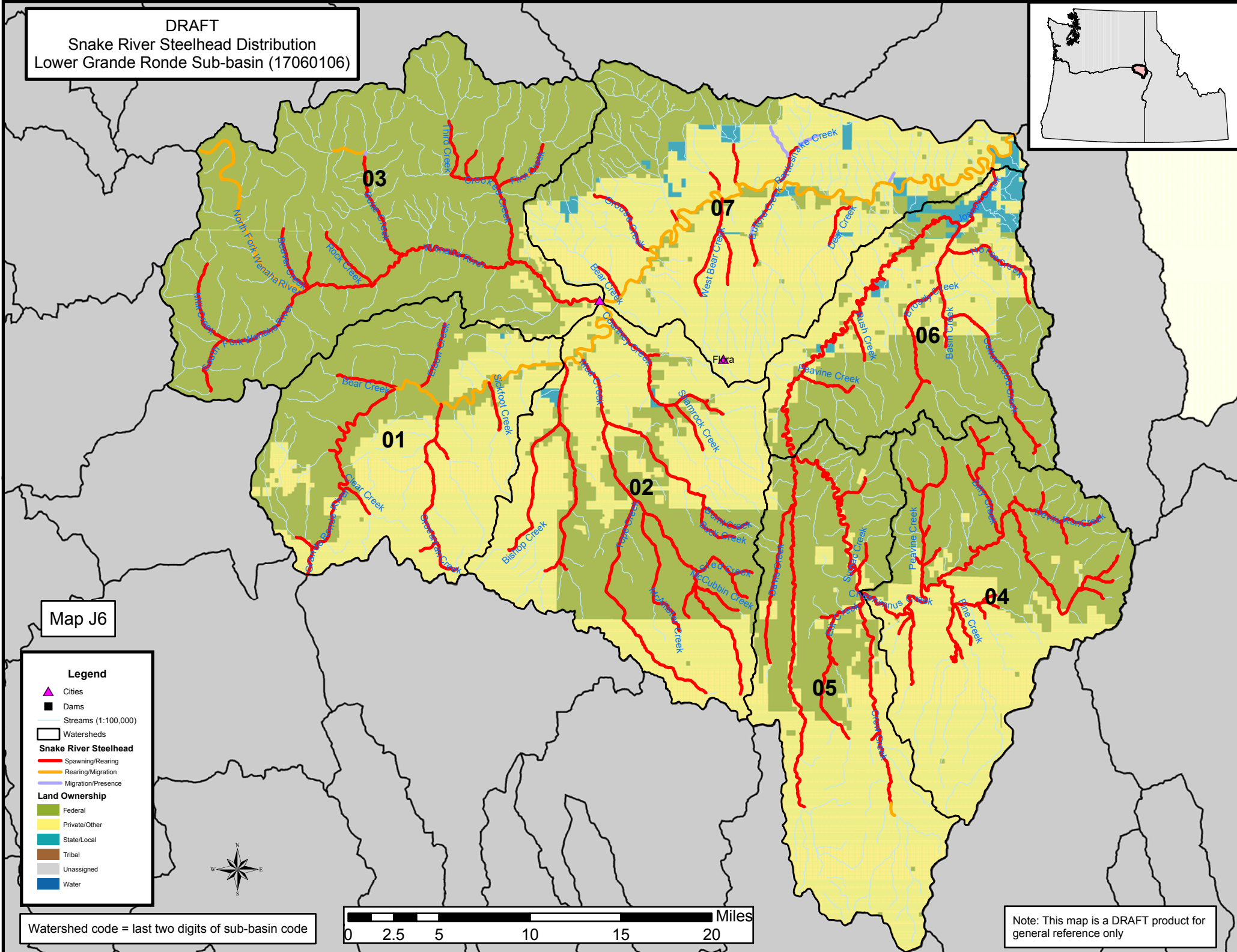
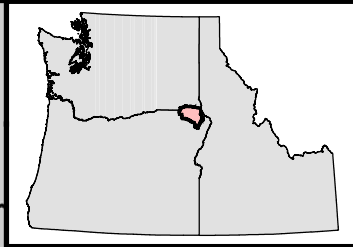
- Federal
- Private/Other
- State/Local
- Tribal
- Unassigned
- Water



Watershed code = last two digits of sub-basin code

Note: This map is a DRAFT product for general reference only

DRAFT  
Snake River Steelhead Distribution  
Lower Grande Ronde Sub-basin (17060106)



Map J6

**Legend**

- ▲ Cities
- Dams
- Streams (1:100,000)
- ▭ Watersheds

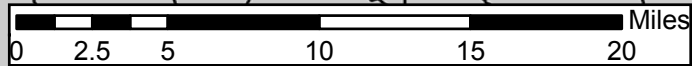
**SNAKE RIVER STEELHEAD**

- Spawning/Rearing
- Rearing/Migration
- Migration/Presence

**Land Ownership**

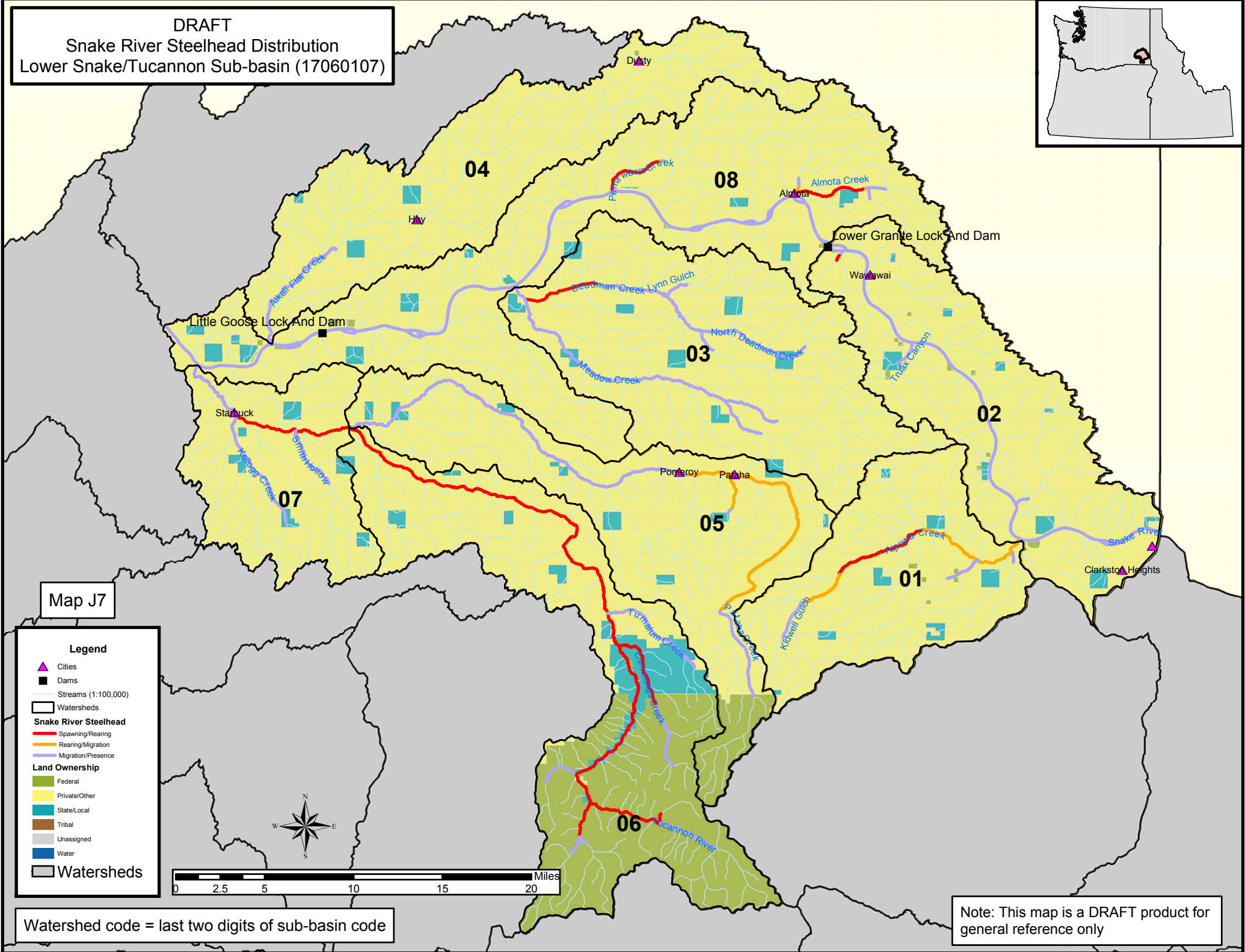
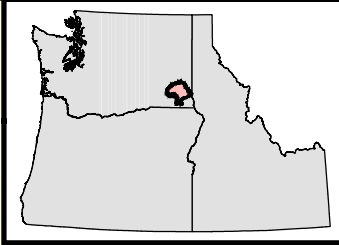
- Federal
- Private/Other
- State/Local
- Tribal
- Unassigned
- Water

Watershed code = last two digits of sub-basin code



Note: This map is a DRAFT product for general reference only

DRAFT  
Snake River Steelhead Distribution  
Lower Snake/Tucannon Sub-basin (17060107)



Map J7

**Legend**

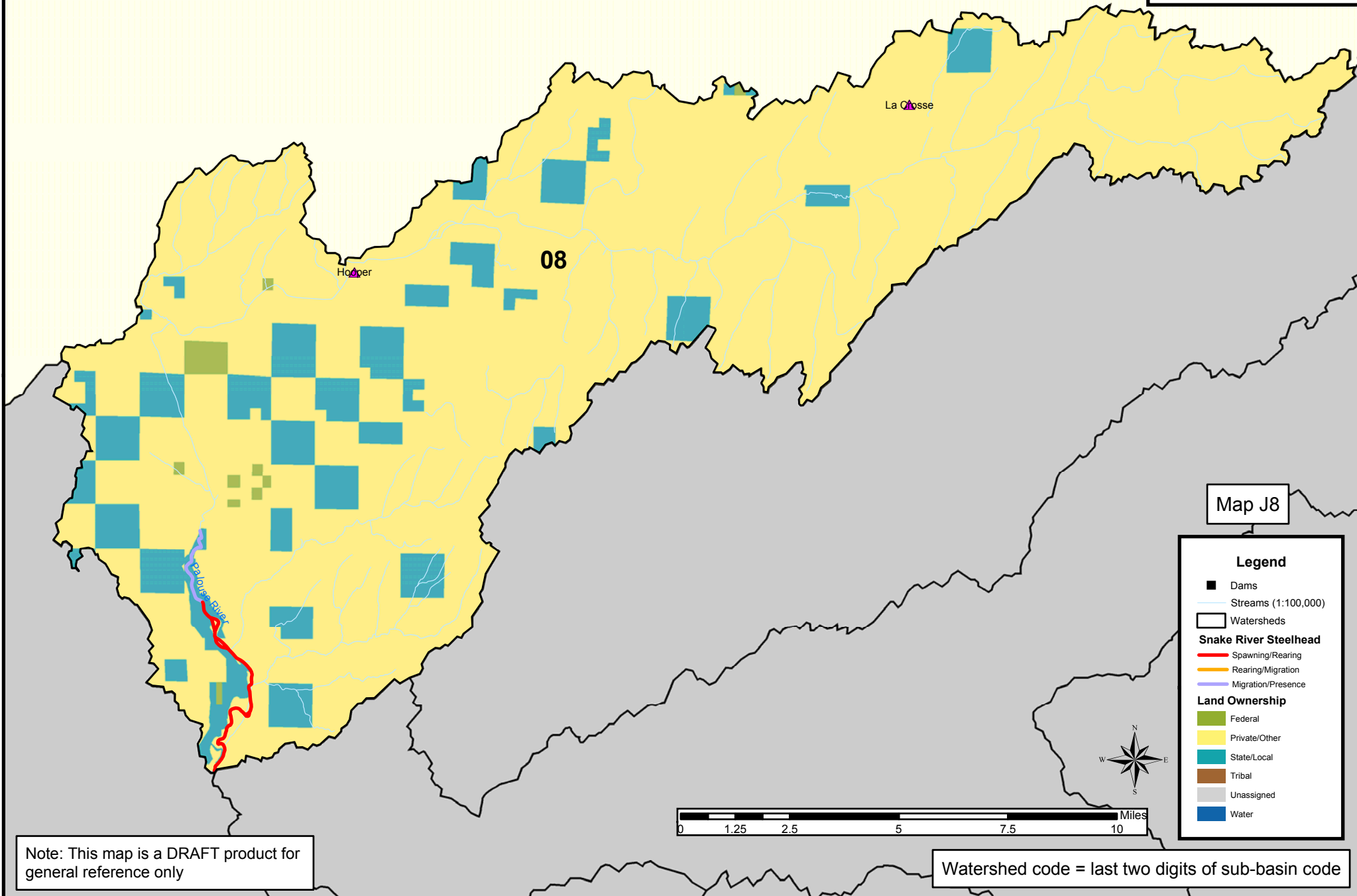
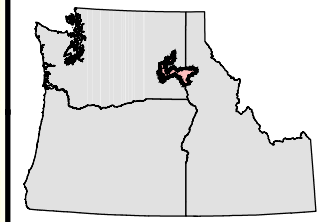
- Cities (purple triangle)
- Dams (black square)
- Streams (1:100,000) (light blue line)
- Watersheds (black outline)
- Snake River Steelhead**
  - Spawning/Rearing (red line)
  - Rearing/Migration (orange line)
  - Migration/Presence (purple line)
- Land Ownership**
  - Federal (green)
  - Private/Other (yellow)
  - State/Local (teal)
  - Tribal (brown)
  - Unassigned (grey)
  - Water (blue)
- Watersheds (grey box)

Watershed code = last two digits of sub-basin code

Note: This map is a DRAFT product for general reference only



DRAFT  
Snake River Steelhead Distribution  
Palouse River Sub-basin (17060108)



Map J8

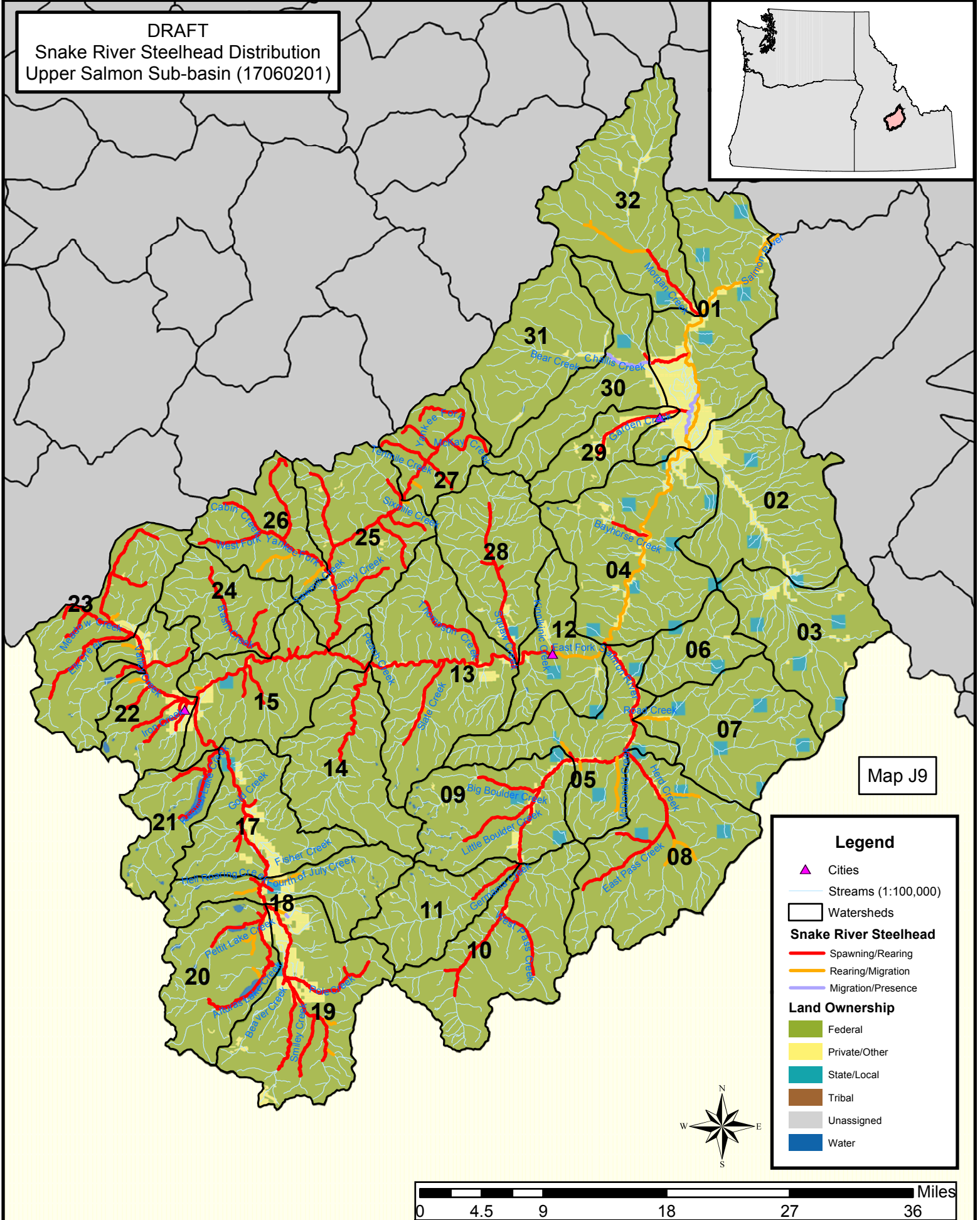
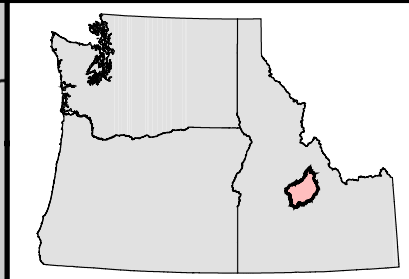
**Legend**

- Dams
- Streams (1:100,000)
- Watersheds
- Snake River Steelhead**
  - Spawning/Rearing
  - Rearing/Migration
  - Migration/Presence
- Land Ownership**
  - Federal
  - Private/Other
  - State/Local
  - Tribal
  - Unassigned
  - Water

Note: This map is a DRAFT product for general reference only

Watershed code = last two digits of sub-basin code

**DRAFT**  
Snake River Steelhead Distribution  
Upper Salmon Sub-basin (17060201)



Map J9

**Legend**

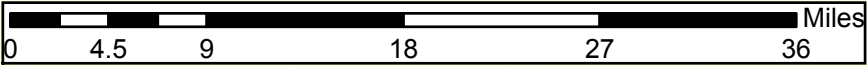
- ▲ Cities
- Streams (1:100,000)
- Watersheds

**Snake River Steelhead**

- Spawning/Rearing
- Rearing/Migration
- Migration/Presence

**Land Ownership**

- Federal
- Private/Other
- State/Local
- Tribal
- Unassigned
- Water

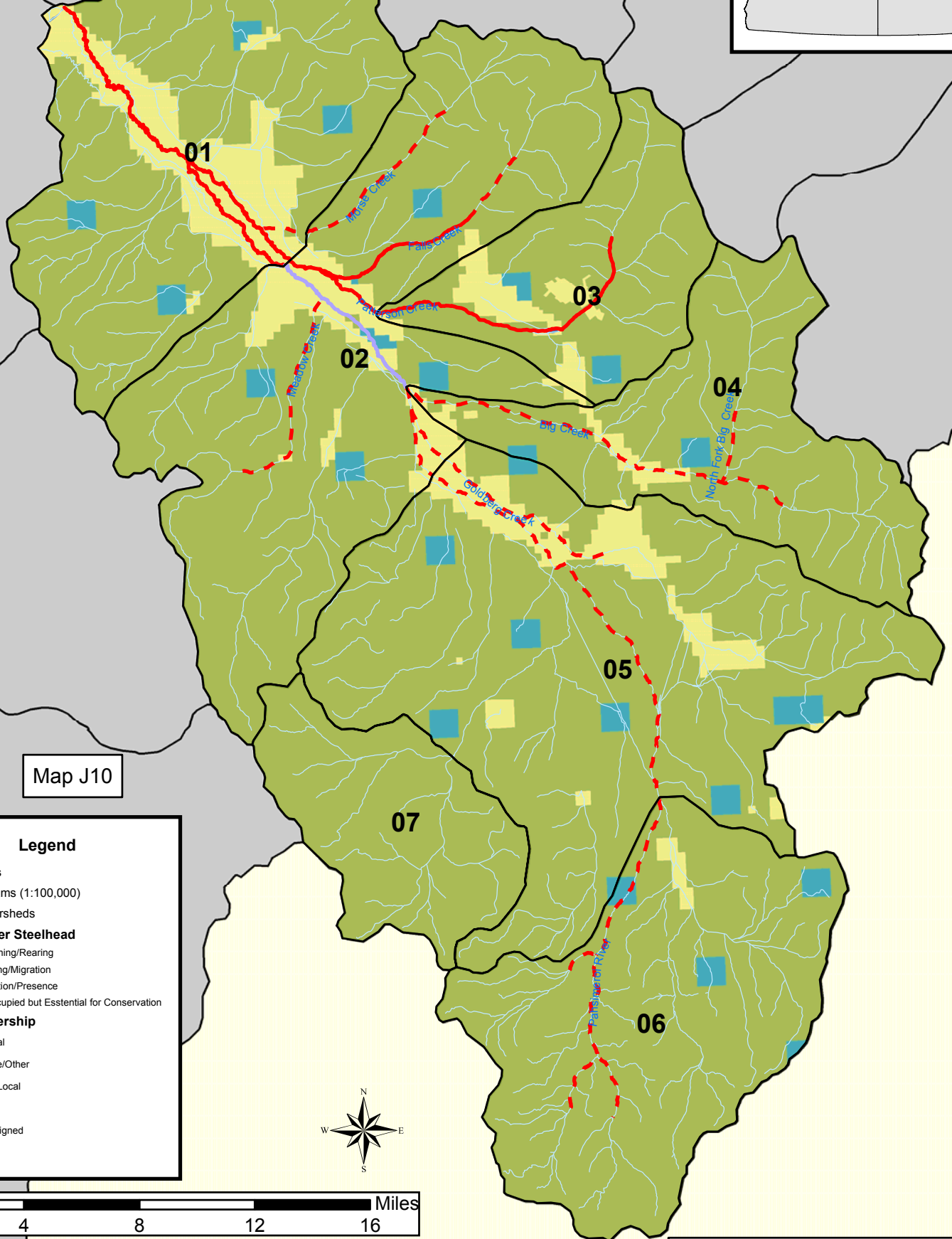
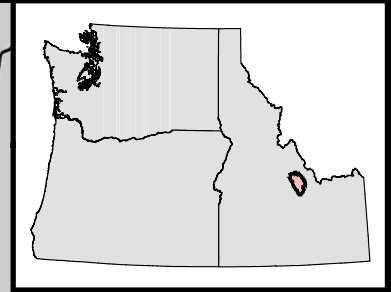


Note: This map is a DRAFT product for general reference only

Watershed code = last two digits of sub-basin code



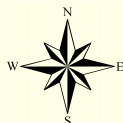
Draft  
Snake River Steelhead Distribution  
Pahsimeroi Sub-basin (17060202)



Map J10

**Legend**

- ▲ Cities
- Streams (1:100,000)
- Watersheds
- Snake River Steelhead**
  - Spawning/Rearing
  - Rearing/Migration
  - Migration/Presence
  - - - Unoccupied but Essential for Conservation
- Land Ownership**
  - Federal
  - Private/Other
  - State/Local
  - Tribal
  - Unassigned
  - Water

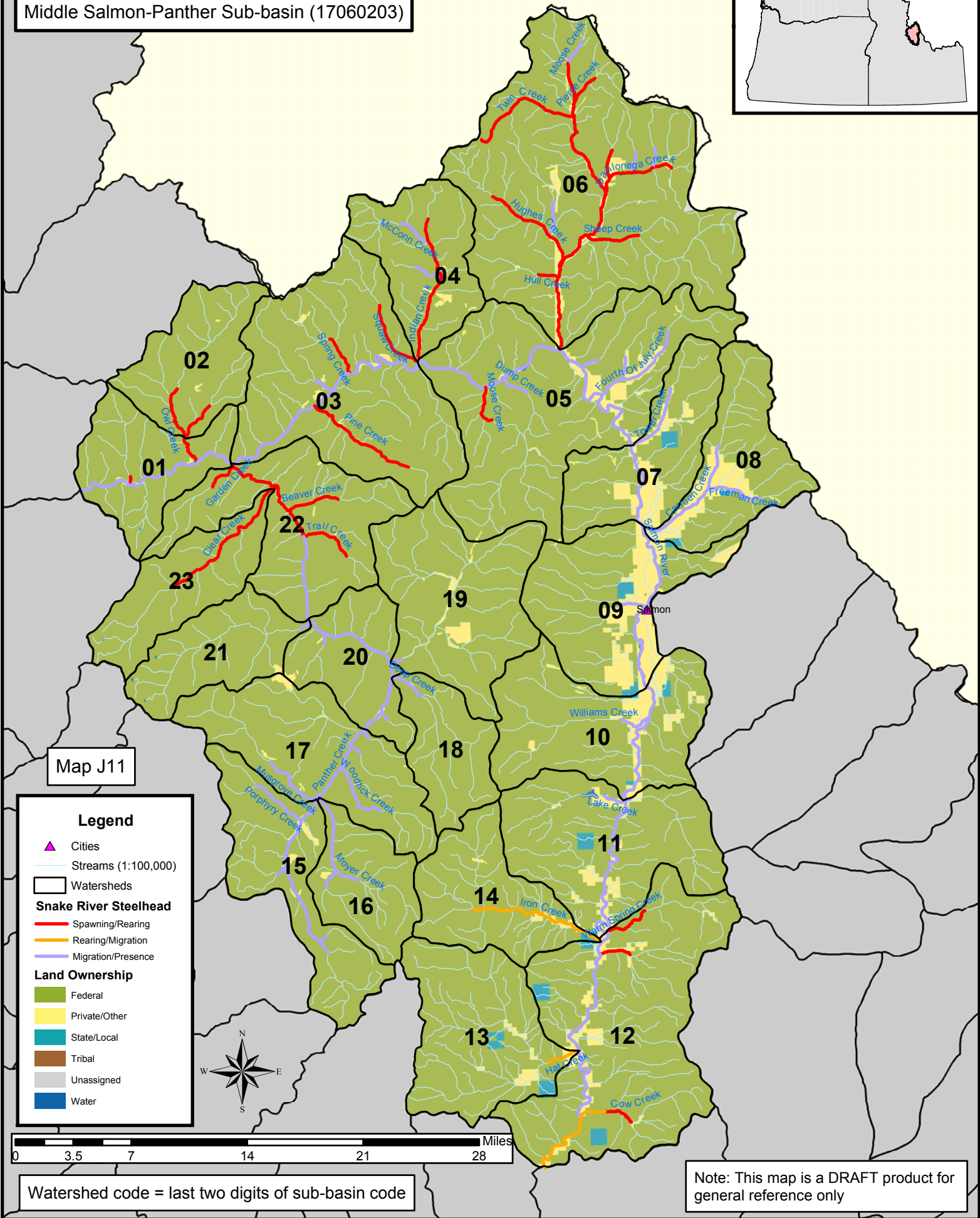
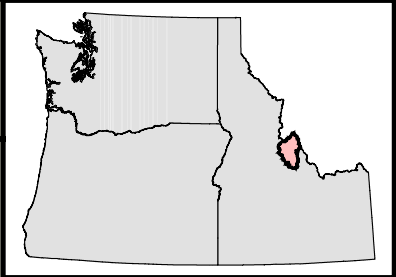


0 2 4 8 12 16 Miles

Watershed code = last two digits of sub-basin code

Note: This map is a DRAFT product for general reference only

DRAFT  
Snake River Steelhead Distribution  
Middle Salmon-Panther Sub-basin (17060203)



Map J11

**Legend**

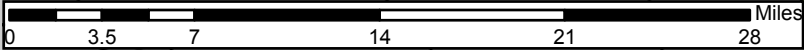
- ▲ Cities
- Streams (1:100,000)
- ▭ Watersheds

**Snake River Steelhead**

- Spawning/Rearing
- Rearing/Migration
- Migration/Presence

**Land Ownership**

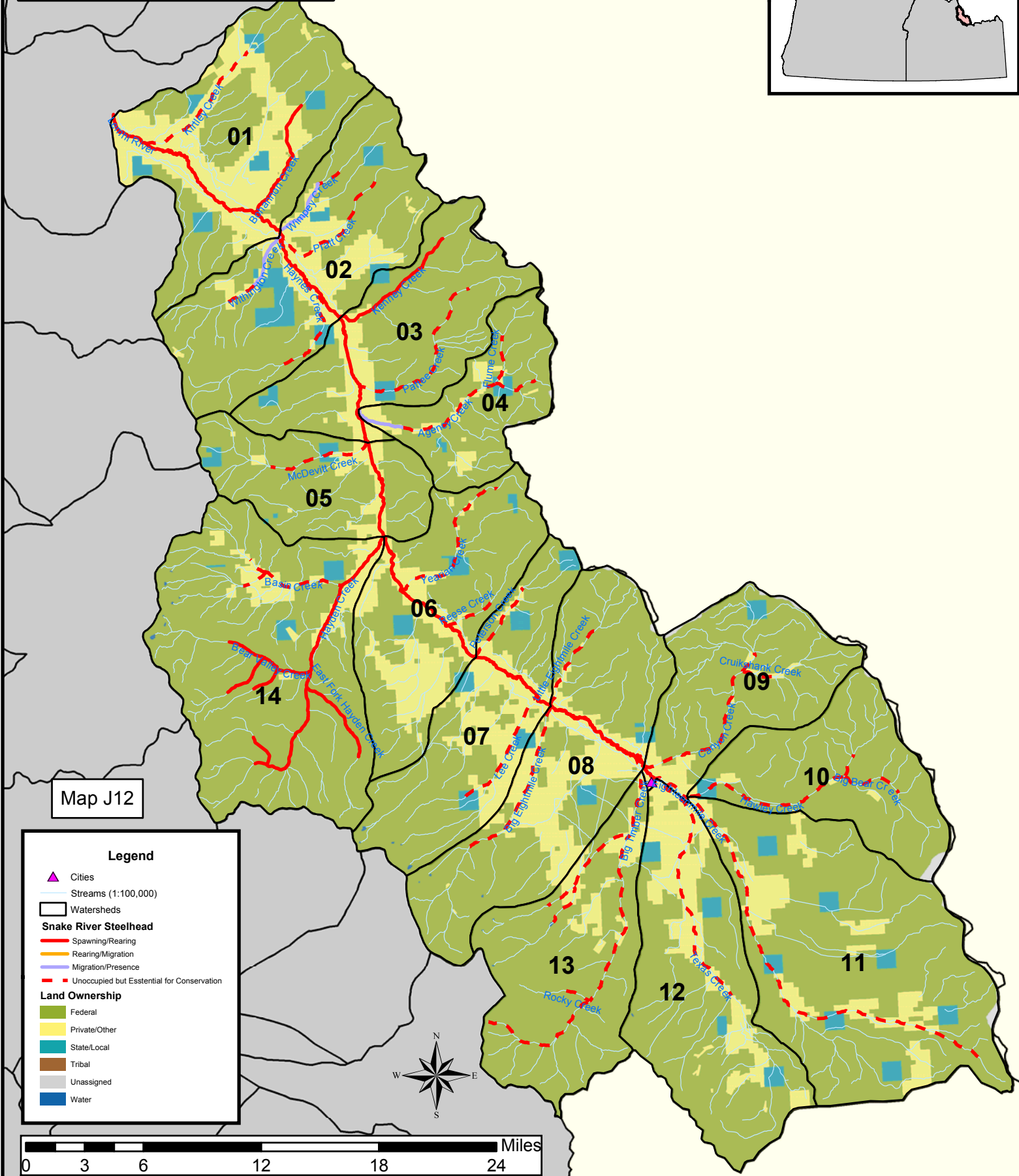
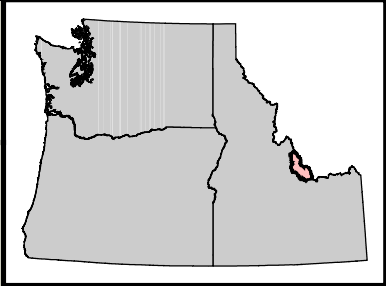
- Federal
- Private/Other
- State/Local
- Tribal
- Unassigned
- Water



Watershed code = last two digits of sub-basin code

Note: This map is a DRAFT product for general reference only

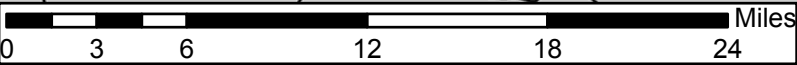
**DRAFT**  
**Snake River Steelhead Distribution**  
**Lemhi Sub-basin (17060204)**



Map J12

**Legend**

- ▲ Cities
- Streams (1:100,000)
- Watersheds
- Snake River Steelhead**
  - Spawning/Rearing
  - Rearing/Migration
  - Migration/Presence
  - Unoccupied but Essential for Conservation
- Land Ownership**
  - Federal
  - Private/Other
  - State/Local
  - Tribal
  - Unassigned
  - Water

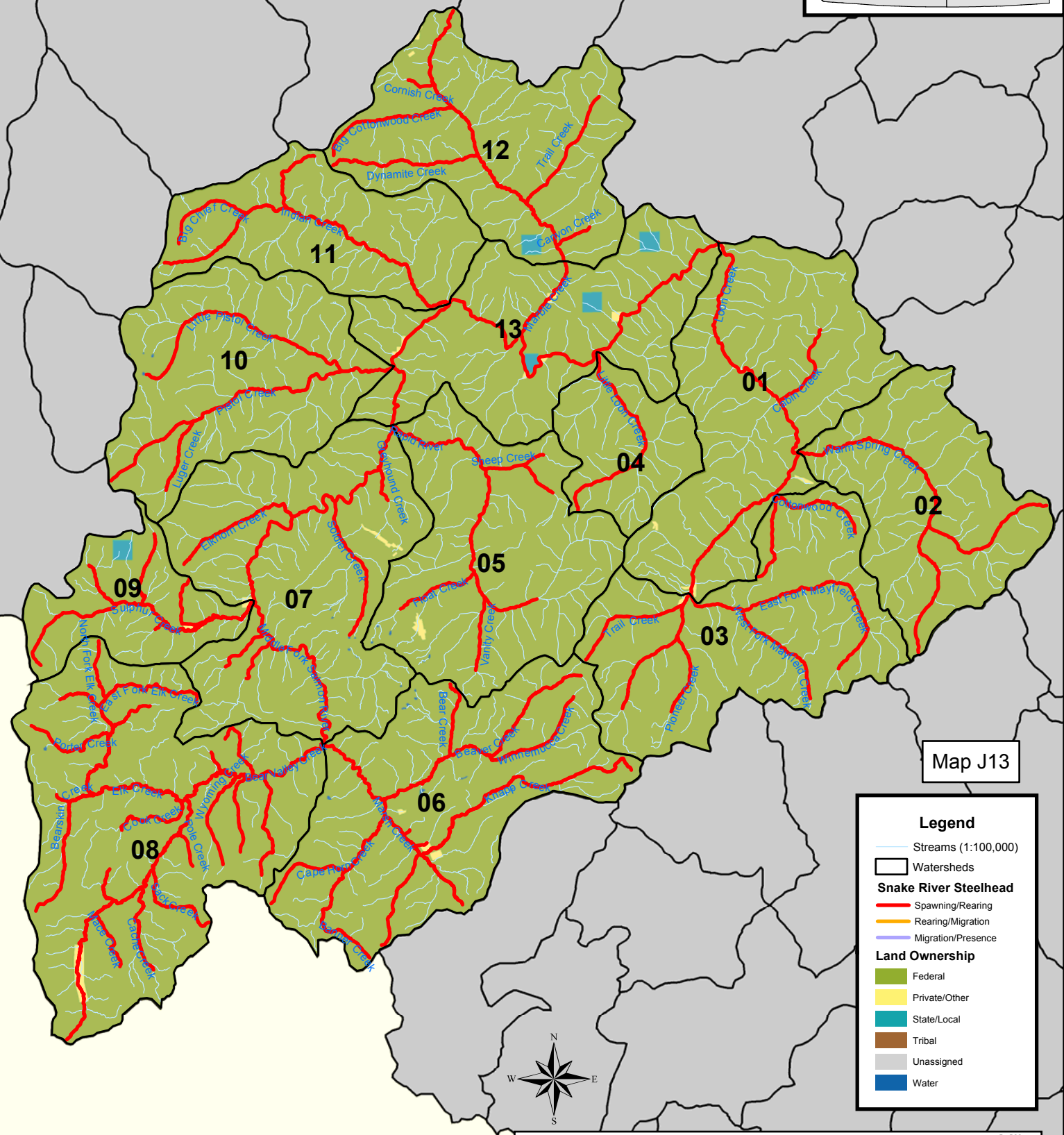
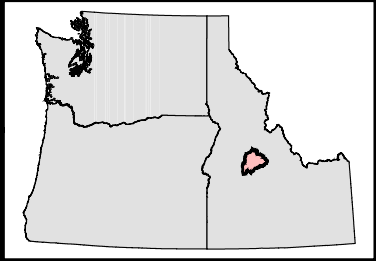


Watershed code = last two digits of sub-basin code

Note: This map is a DRAFT product for general reference only



**DRAFT**  
**Snake River Steelhead Distribution**  
**Upper Middle Fork Salmon Sub-basin (17060205)**



Map J13

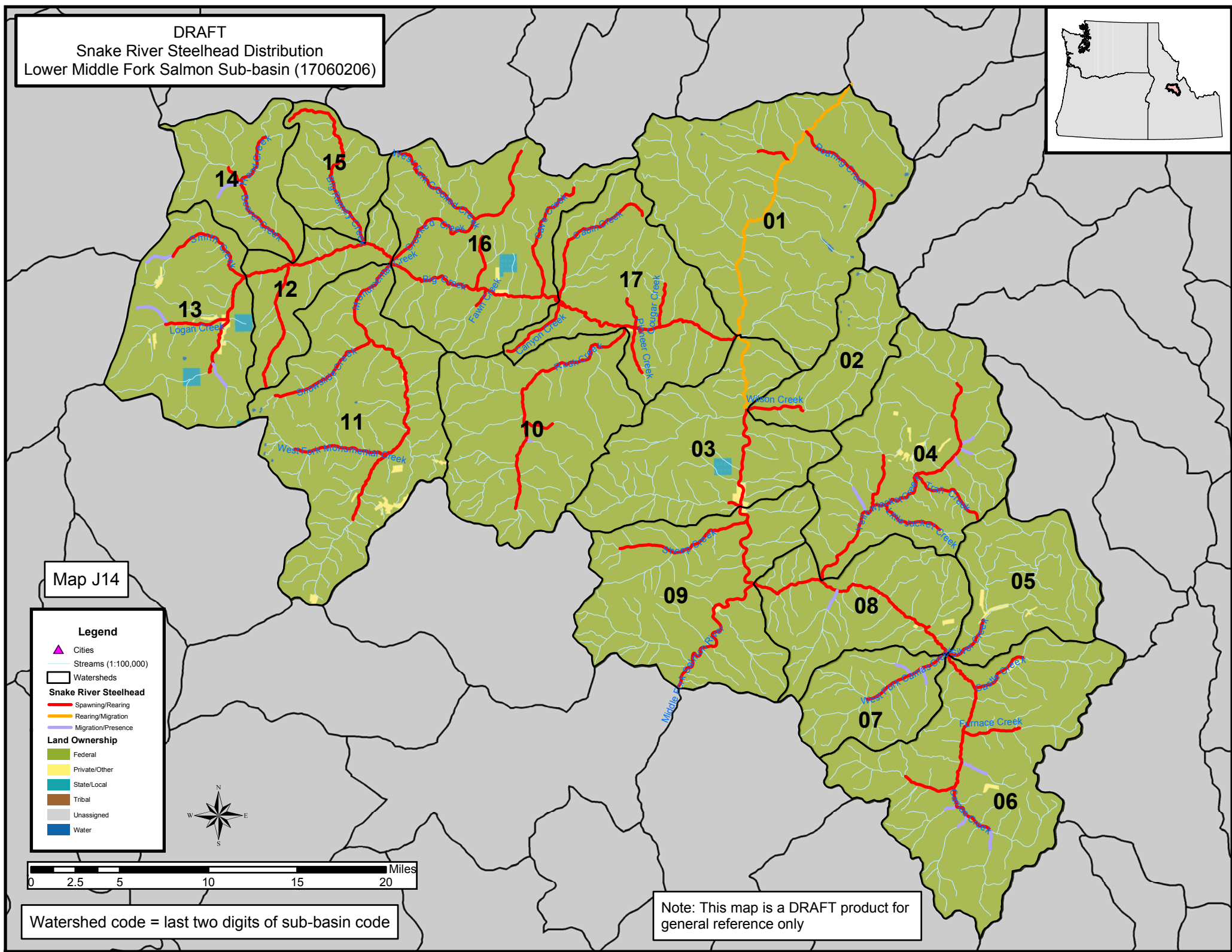
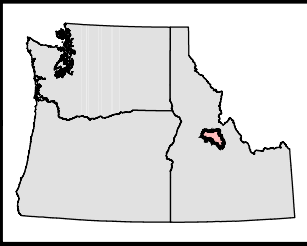
**Legend**

- Streams (1:100,000)
- Watersheds
- Snake River Steelhead**
  - Spawning/Rearing
  - Rearing/Migration
  - Migration/Presence
- Land Ownership**
  - Federal
  - Private/Other
  - State/Local
  - Tribal
  - Unassigned
  - Water

Note: This map is a DRAFT product for general reference only

Watershed code = last two digits of sub-basin code

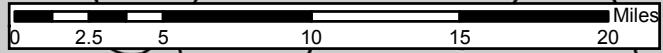
DRAFT  
Snake River Steelhead Distribution  
Lower Middle Fork Salmon Sub-basin (17060206)



Map J14

**Legend**

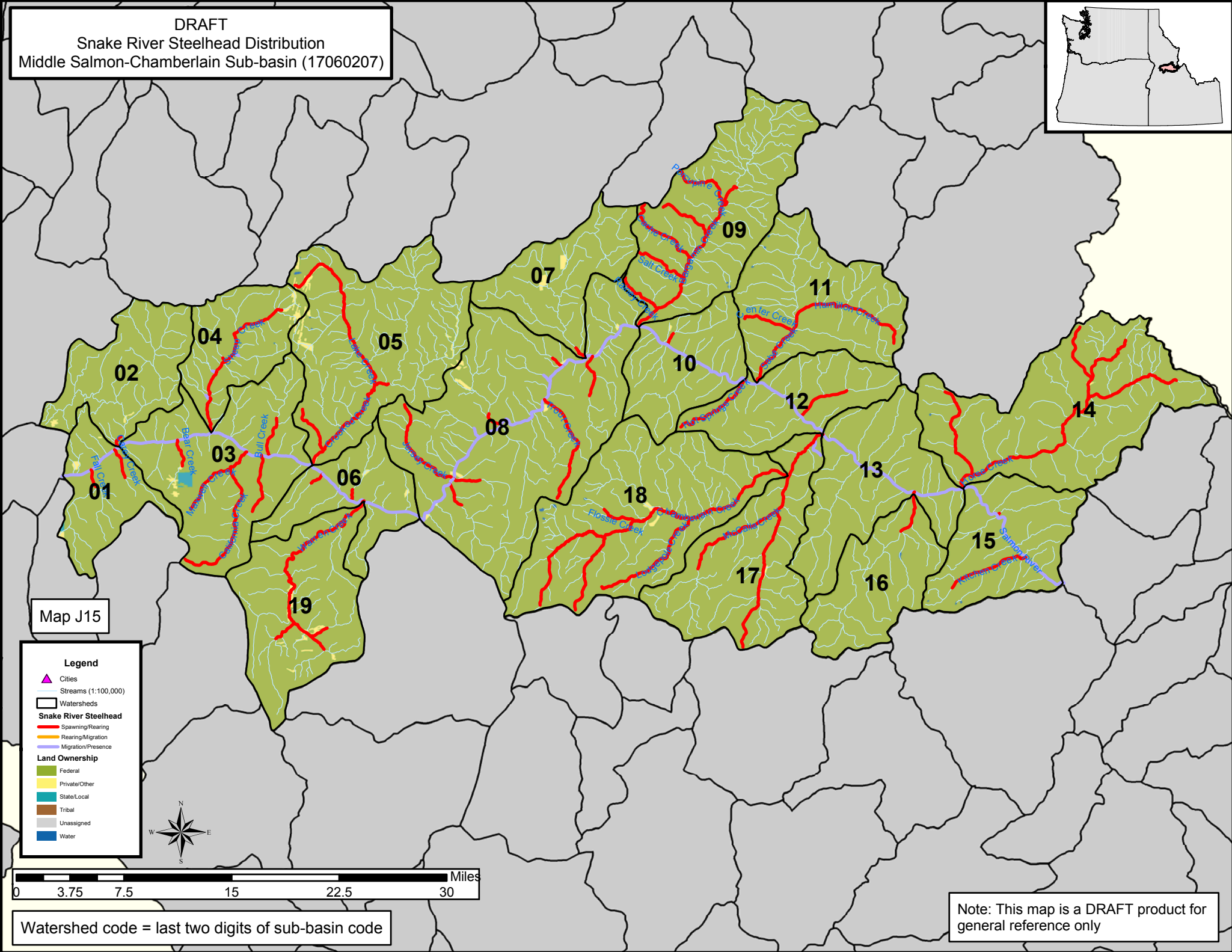
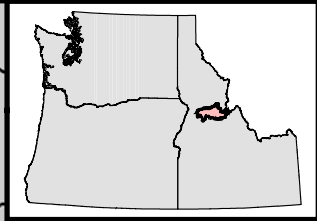
- ▲ Cities
- Streams (1:100,000)
- ▭ Watersheds
- Snake River Steelhead**
  - Spawning/Rearing
  - Rearing/Migration
  - Migration/Presence
- Land Ownership**
  - Federal
  - Private/Other
  - State/Local
  - Tribal
  - Unassigned
  - Water



Watershed code = last two digits of sub-basin code

Note: This map is a DRAFT product for general reference only

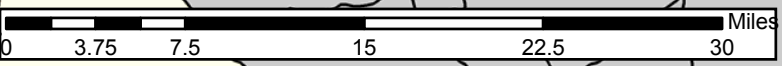
DRAFT  
Snake River Steelhead Distribution  
Middle Salmon-Chamberlain Sub-basin (17060207)



Map J15

**Legend**

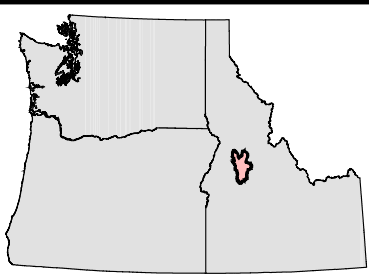
- Cities
- Streams (1:100,000)
- Watersheds
- SNAKE RIVER STEELHEAD**
  - Spawning/Rearing
  - Rearing/Migration
  - Migration/Presence
- Land Ownership**
  - Federal
  - Private/Other
  - State/Local
  - Tribal
  - Unassigned
  - Water



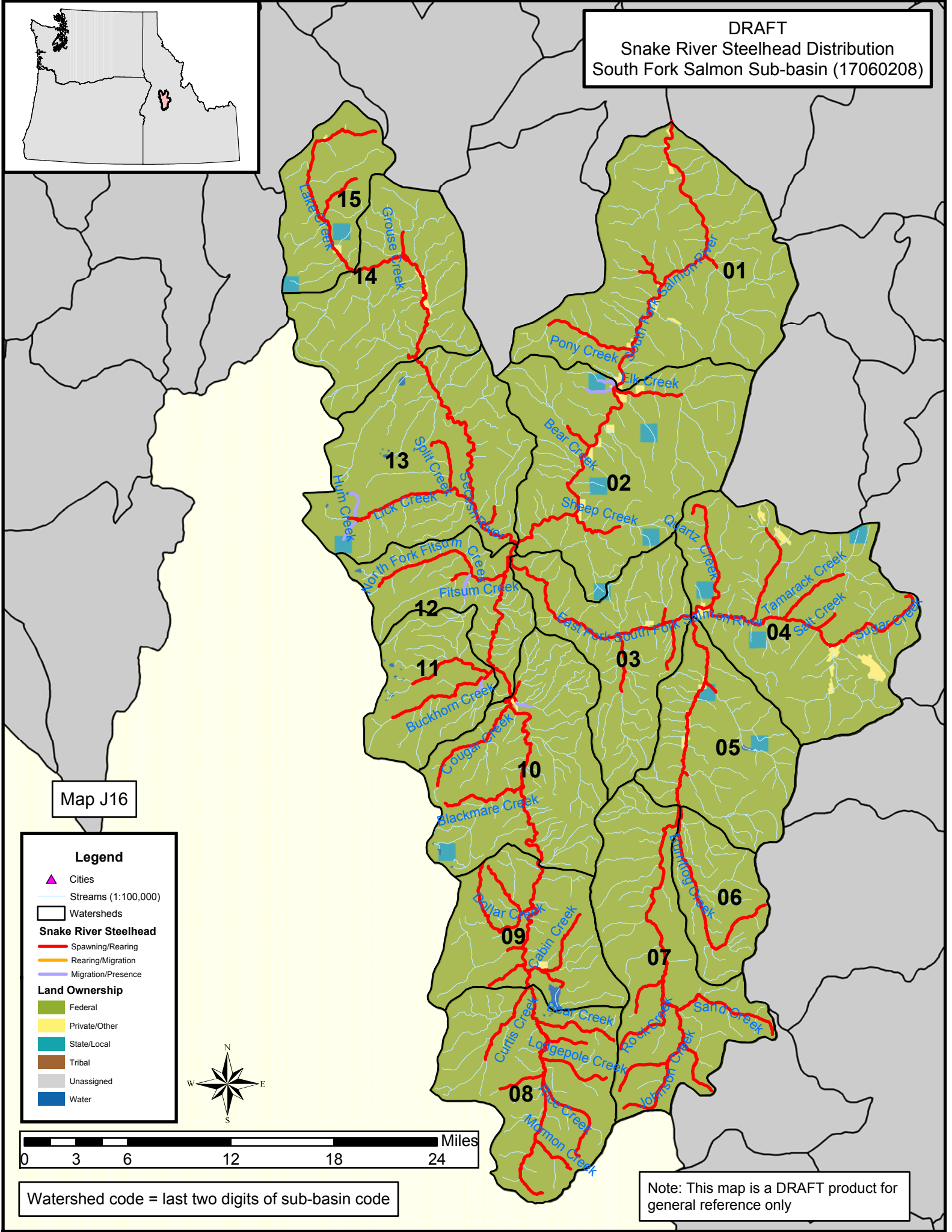
Watershed code = last two digits of sub-basin code

Note: This map is a DRAFT product for general reference only





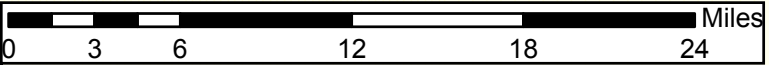
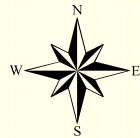
DRAFT  
Snake River Steelhead Distribution  
South Fork Salmon Sub-basin (17060208)



Map J16

**Legend**

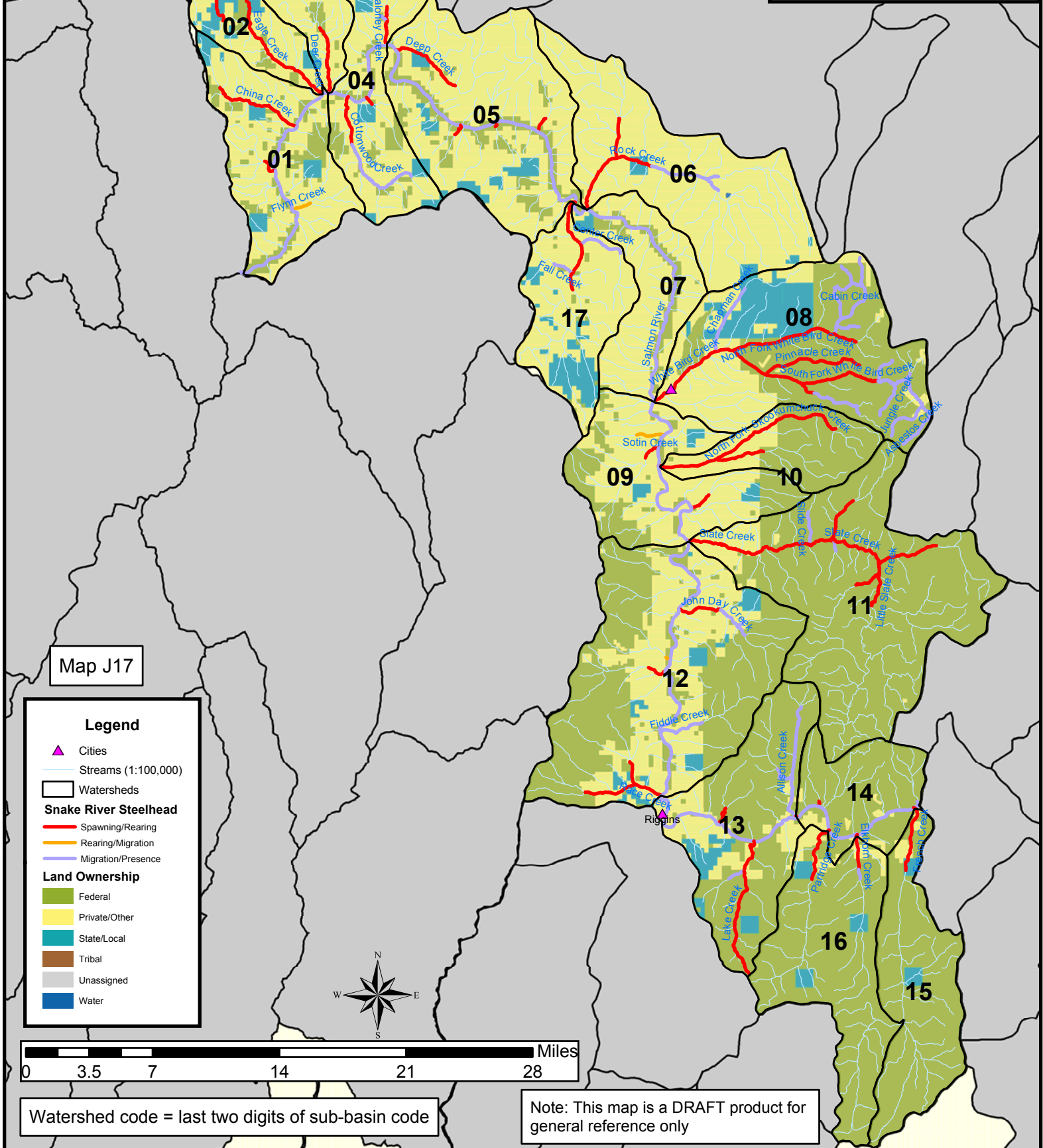
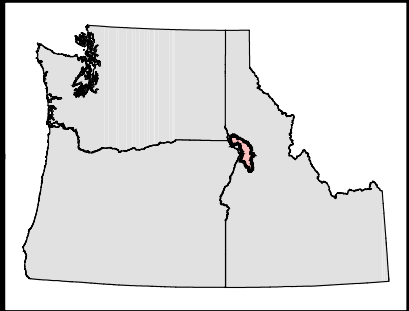
- ▲ Cities
- Streams (1:100,000)
- ▭ Watersheds
- Snake River Steelhead**
  - Spawning/Rearing
  - Rearing/Migration
  - Migration/Presence
- Land Ownership**
  - Federal
  - Private/Other
  - State/Local
  - Tribal
  - Unassigned
  - Water



Watershed code = last two digits of sub-basin code

Note: This map is a DRAFT product for general reference only

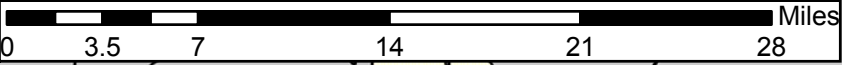
DRAFT  
Snake River Steelhead Distribution  
Lower Salmon Sub-basin (17060209)



Map J17

**Legend**

- ▲ Cities
- Streams (1:100,000)
- Watersheds
- Snake River Steelhead**
  - Spawning/Rearing
  - Rearing/Migration
  - Migration/Presence
- Land Ownership**
  - Federal
  - Private/Other
  - State/Local
  - Tribal
  - Unassigned
  - Water

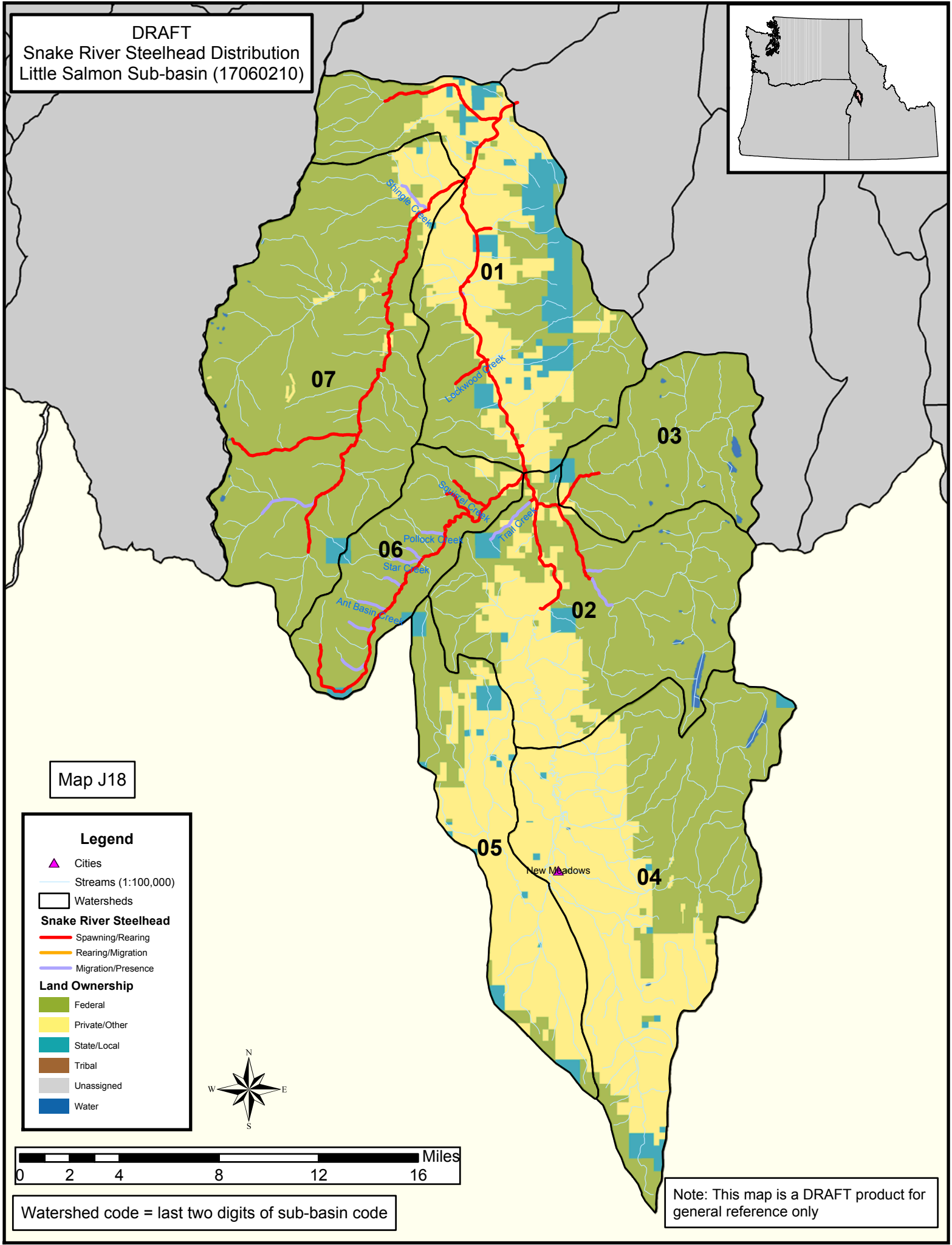
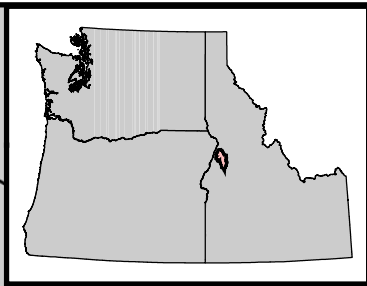


Watershed code = last two digits of sub-basin code

Note: This map is a DRAFT product for general reference only



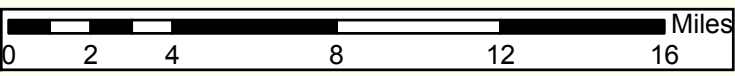
DRAFT  
Snake River Steelhead Distribution  
Little Salmon Sub-basin (17060210)



Map J18

**Legend**

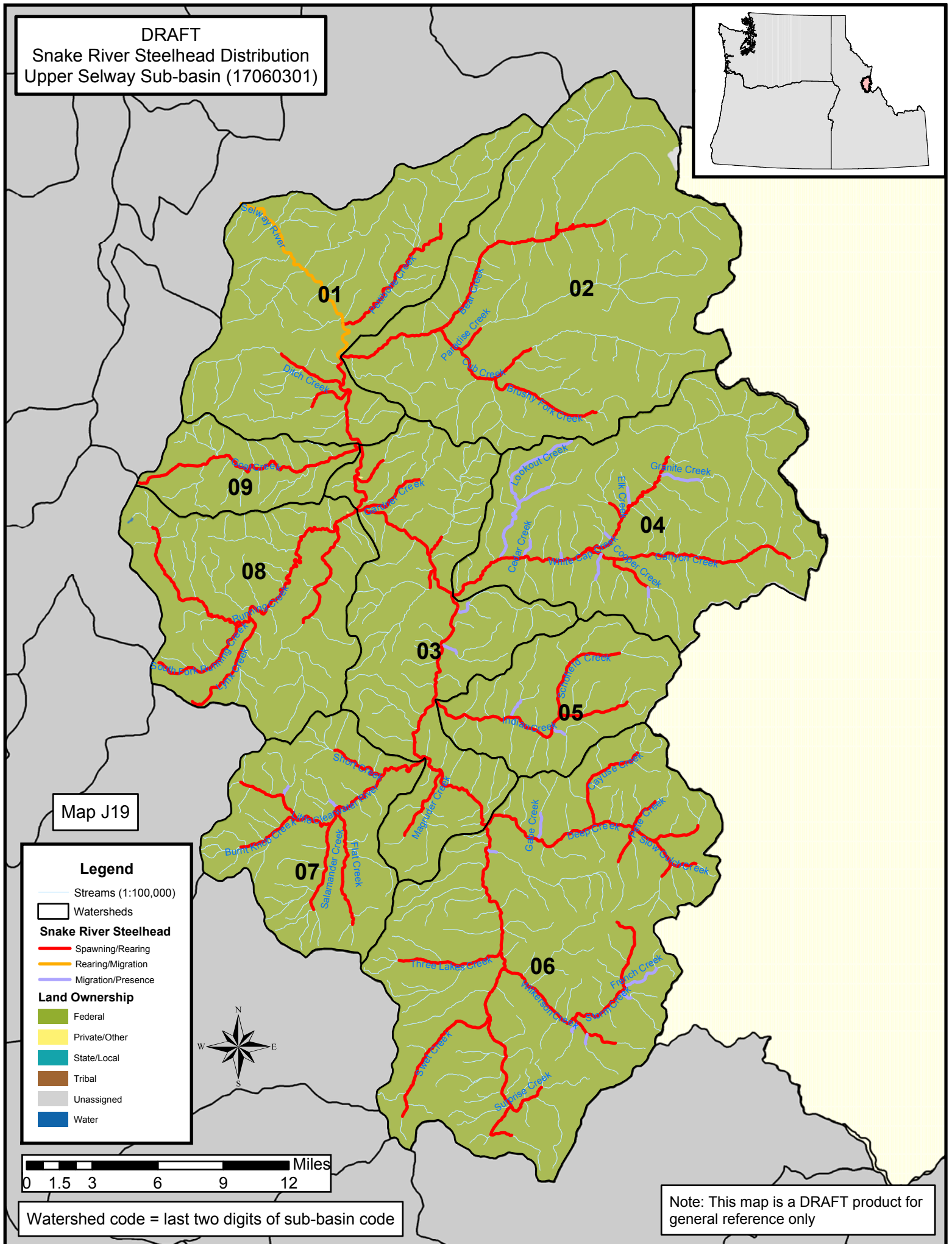
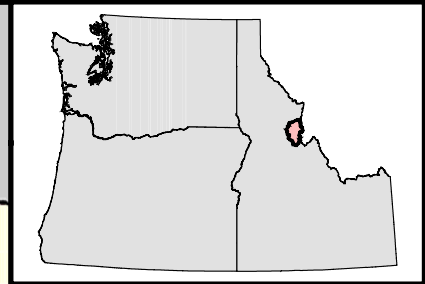
- ▲ Cities
- Streams (1:100,000)
- Watersheds
- SNAKE RIVER STEELHEAD**
  - Spawning/Rearing
  - Rearing/Migration
  - Migration/Presence
- Land Ownership**
  - Federal
  - Private/Other
  - State/Local
  - Tribal
  - Unassigned
  - Water



Watershed code = last two digits of sub-basin code

Note: This map is a DRAFT product for general reference only

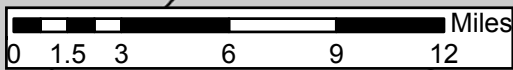
**DRAFT**  
**Snake River Steelhead Distribution**  
**Upper Selway Sub-basin (17060301)**



Map J19

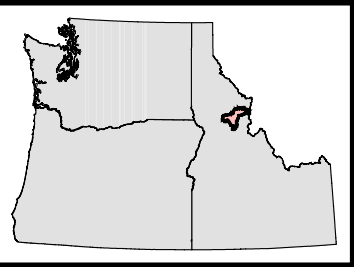
**Legend**

- Streams (1:100,000)
- Watersheds
- Snake River Steelhead**
  - Spawning/Rearing
  - Rearing/Migration
  - Migration/Presence
- Land Ownership**
  - Federal
  - Private/Other
  - State/Local
  - Tribal
  - Unassigned
  - Water

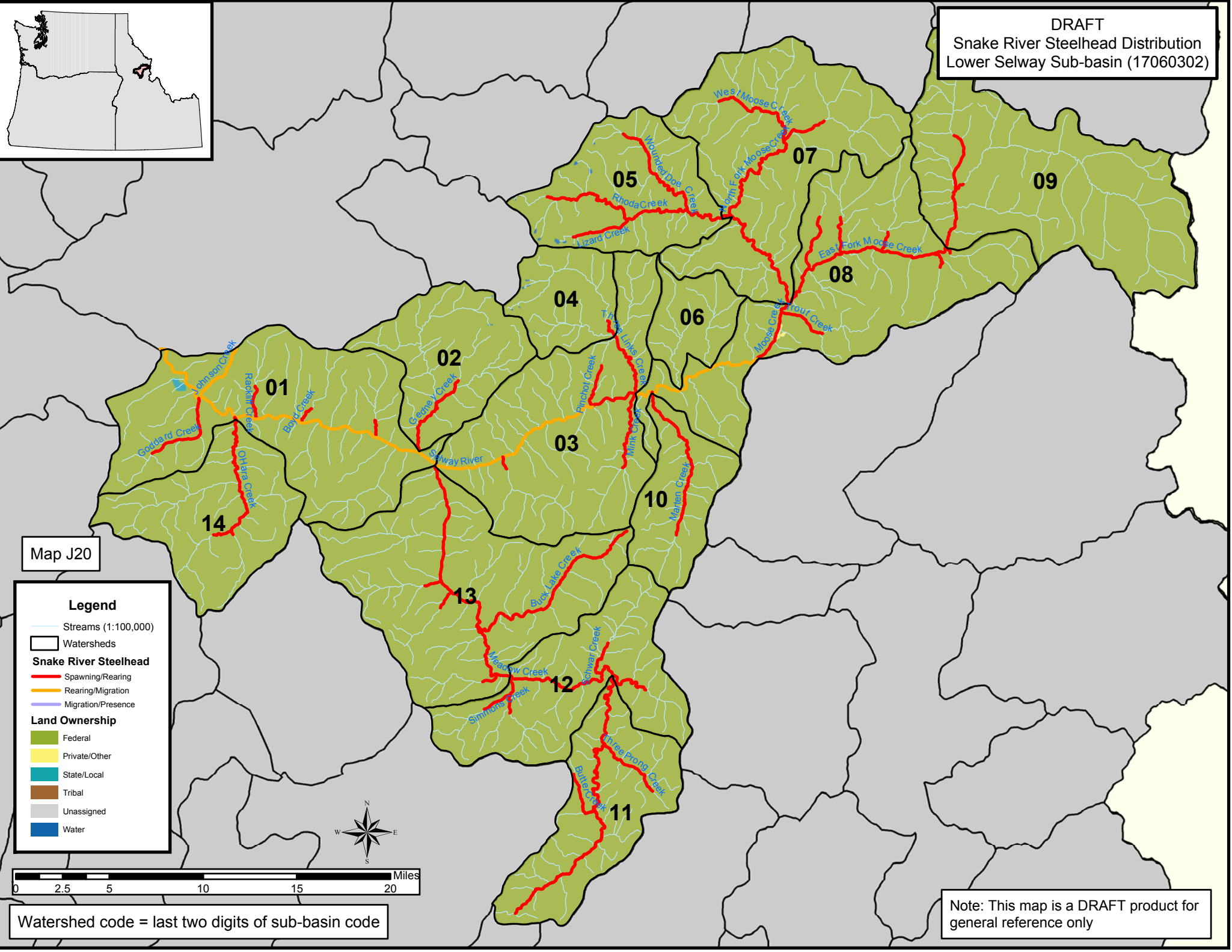


Watershed code = last two digits of sub-basin code

Note: This map is a DRAFT product for general reference only



DRAFT  
Snake River Steelhead Distribution  
Lower Selway Sub-basin (17060302)



Map J20

**Legend**

Streams (1:100,000)

Watersheds

**Snake River Steelhead**

Spawning/Rearing

Rearing/Migration

Migration/Presence

**Land Ownership**

Federal

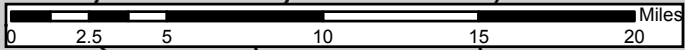
Private/Other

State/Local

Tribal

Unassigned

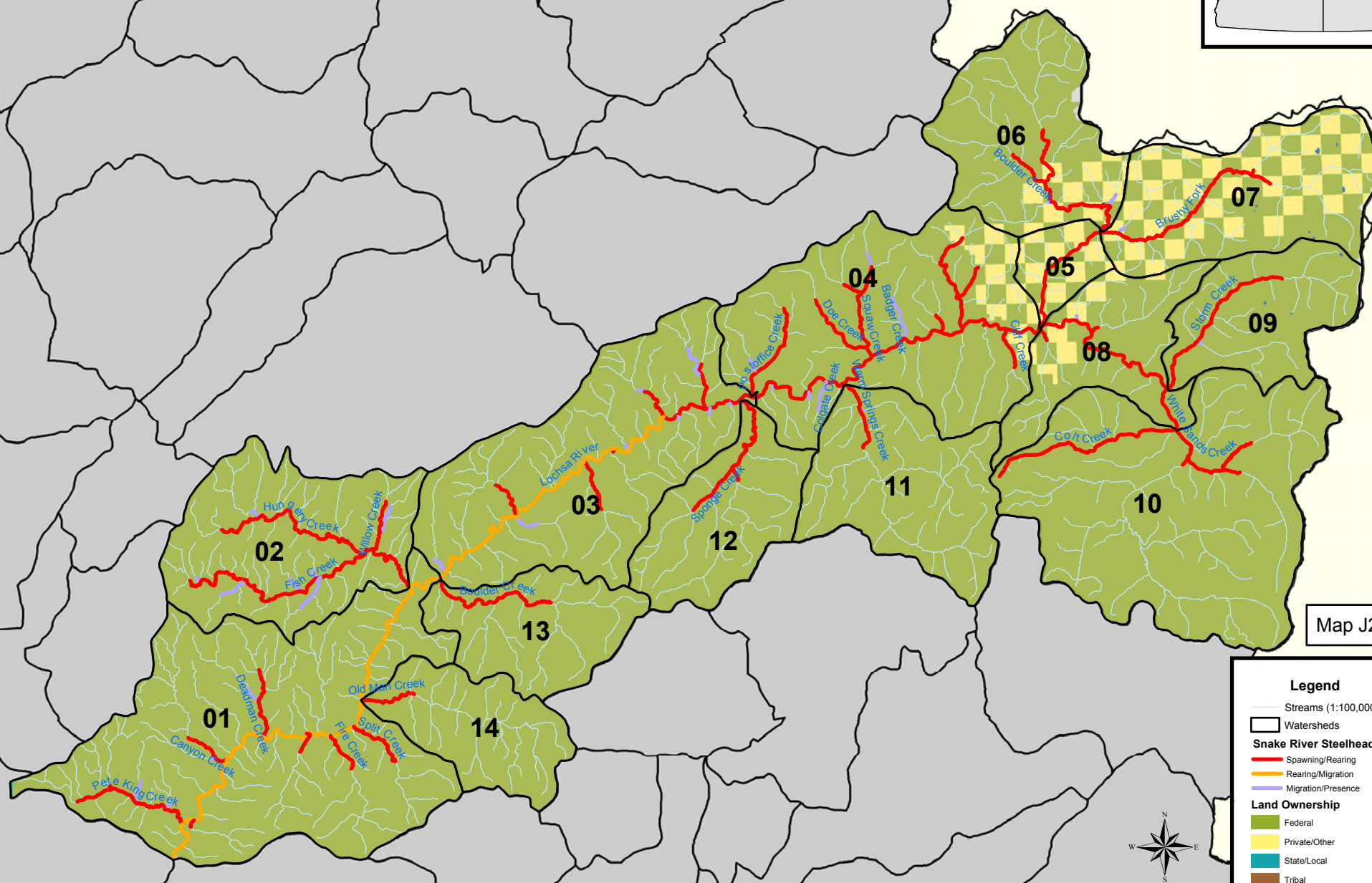
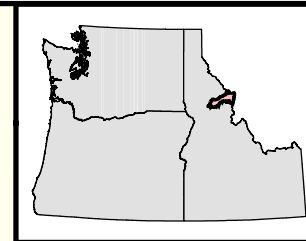
Water



Watershed code = last two digits of sub-basin code

Note: This map is a DRAFT product for general reference only

DRAFT  
Snake River Steelhead Distribution  
Lochsa Sub-basin (17060303)



Map J21

**Legend**

Streams (1:100,000)

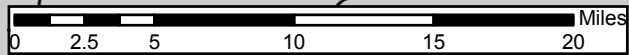
Watersheds

**Sneke River Steelhead**

- Spawning/Rearing
- Rearing/Migration
- Migration/Presence

**Land Ownership**

- Federal
- Private/Other
- State/Local
- Tribal
- Unassigned
- Water

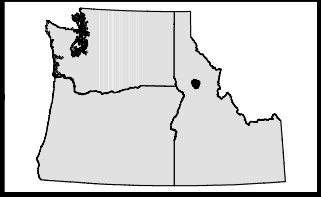


Note: This map is a DRAFT product for general reference only

Watershed code = last two digits of sub-basin code



Draft  
Snake River Steelhead Distribution  
Middle Fork Clearwater (17060304)



Kootenai

01

02

Map J22

**Legend**

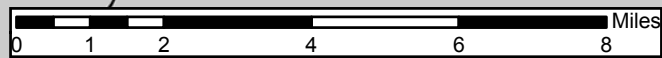
- ▲ Cities
- Streams (1:100,000)
- ▭ Watersheds

**Snake River Steelhead**

- Spawning/Rearing
- Rearing/Migration
- Migration/Presence

**Land Ownership**

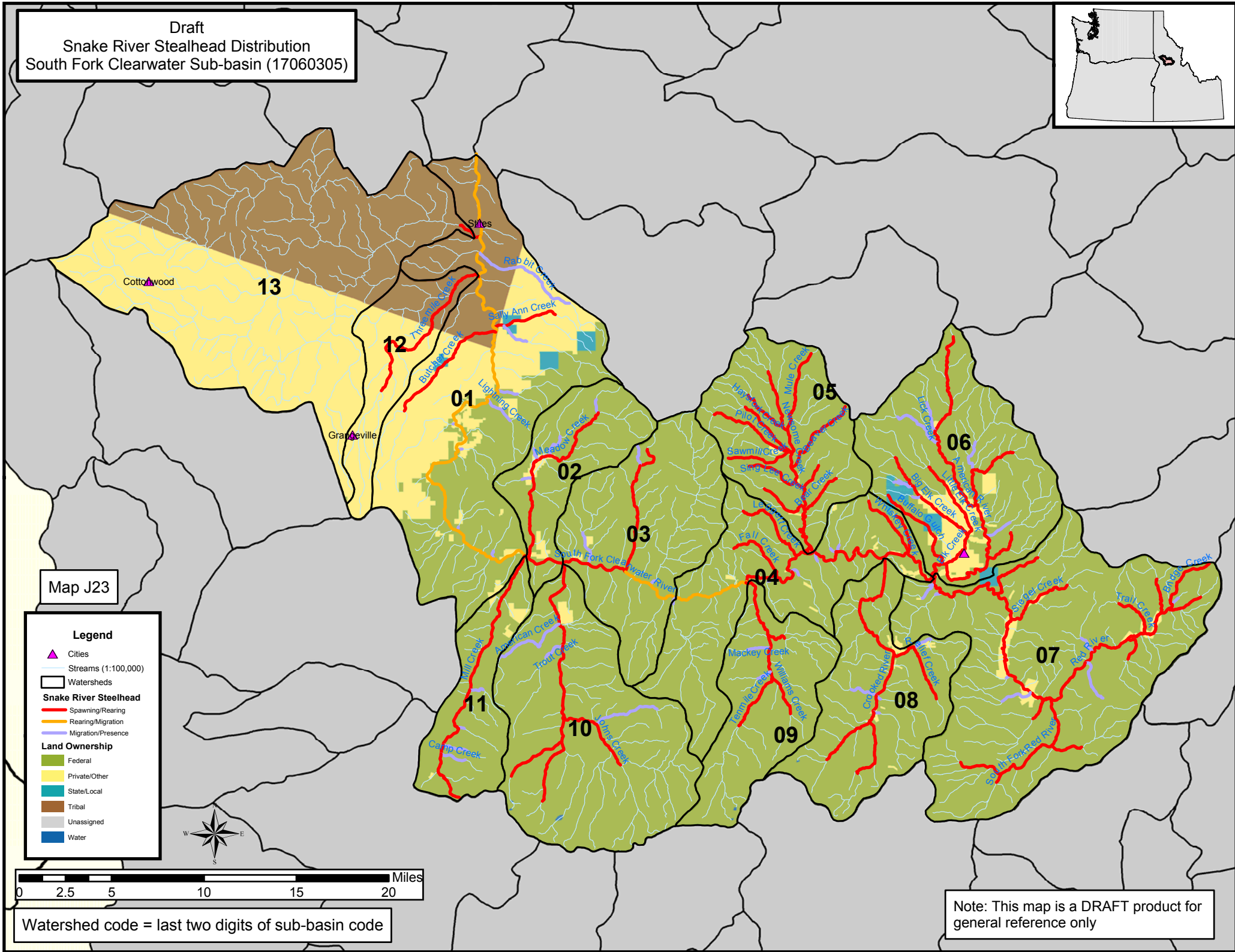
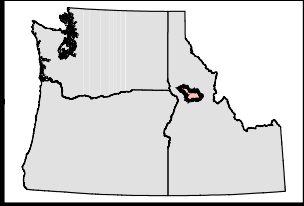
- Federal
- Private/Other
- State/Local
- Tribal
- Unassigned
- Water



Watershed code = last two digits of sub-basin code

Note: This map is a DRAFT product for general reference only

Draft  
Snake River Steelhead Distribution  
South Fork Clearwater Sub-basin (17060305)



Map J23

Legend

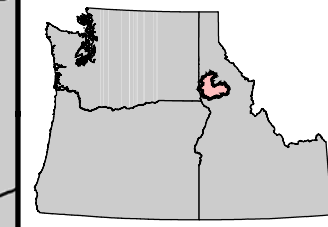
- Cities
- Streams (1:100,000)
- Watersheds
- SNAKE RIVER STEELHEAD**
- Spawning/Rearing
- Rearing/Migration
- Migration/Presence
- Land Ownership**
- Federal
- Private/Other
- State/Local
- Tribal
- Unassigned
- Water

0 2.5 5 10 15 20 Miles

Watershed code = last two digits of sub-basin code

Note: This map is a DRAFT product for general reference only

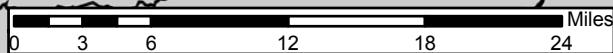
DRAFT  
Snake River Steelhead Distribution  
Clearwater Sub-basin (17060306)



Map J24

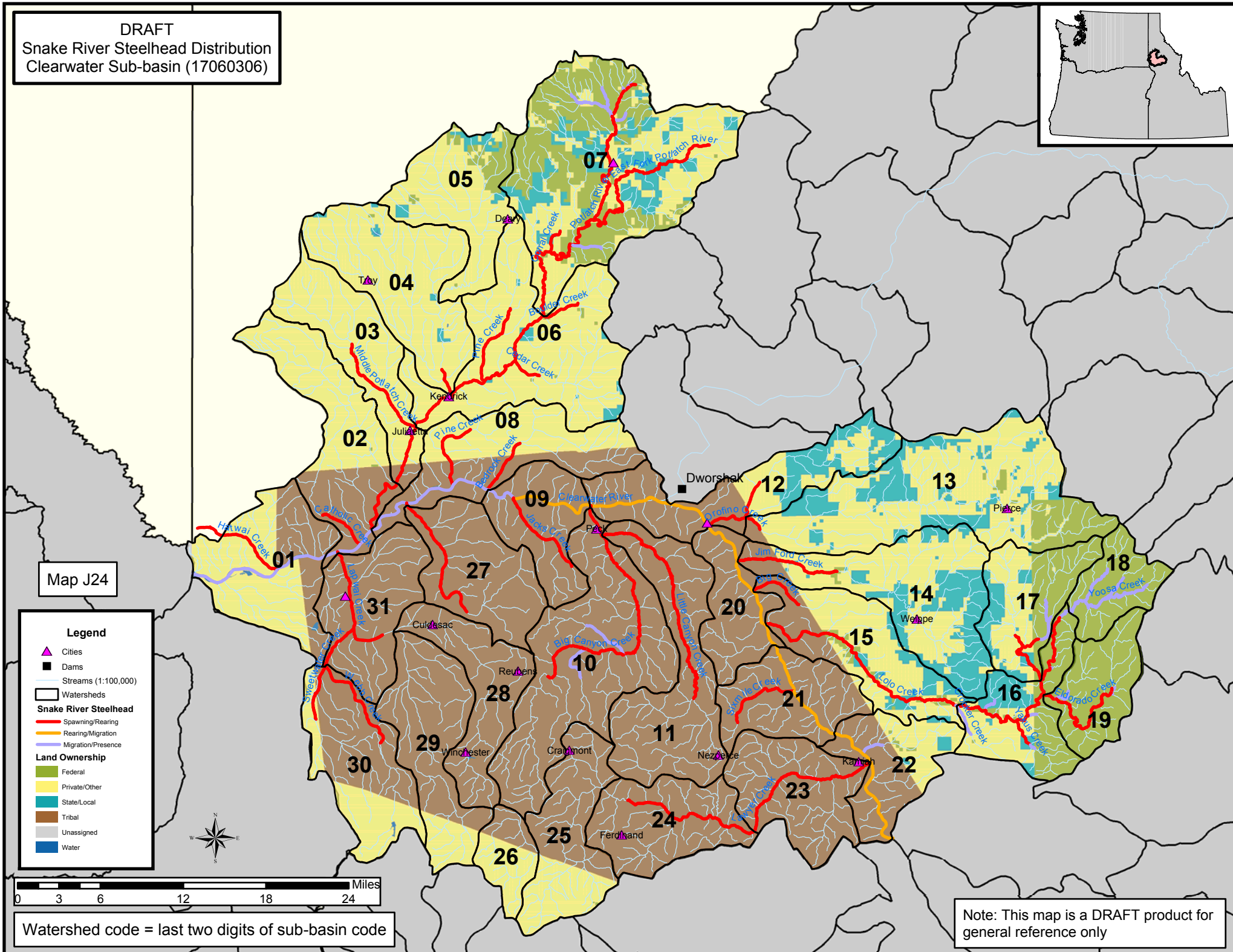
Legend

- Cities
- Dams
- Streams (1:100,000)
- Watersheds
- Snake River Steelhead**
  - Spawning/Rearing
  - Rearing/Migration
  - Migration/Presence
- Land Ownership**
  - Federal
  - Private/Other
  - State/Local
  - Tribal
  - Unassigned
  - Water



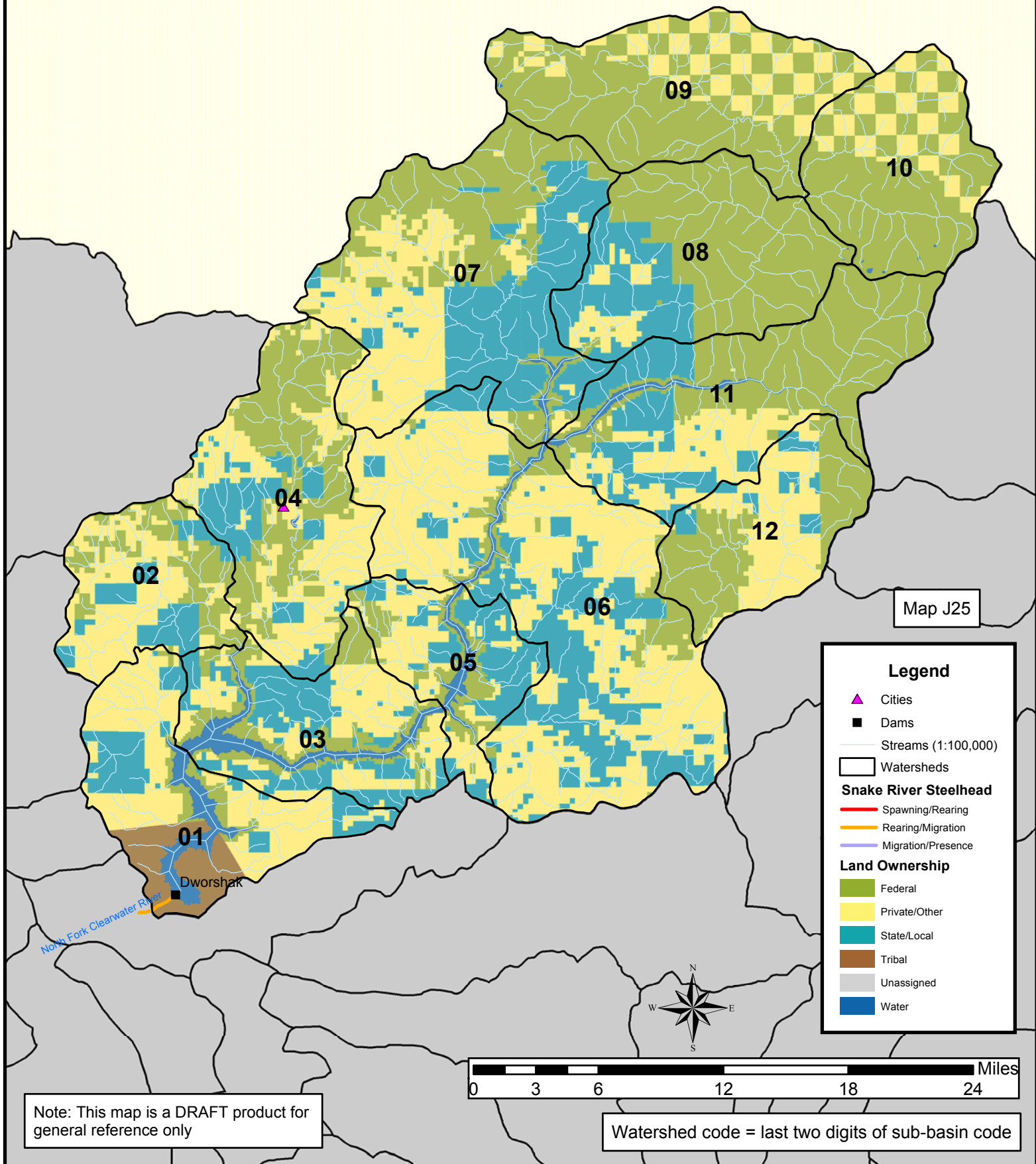
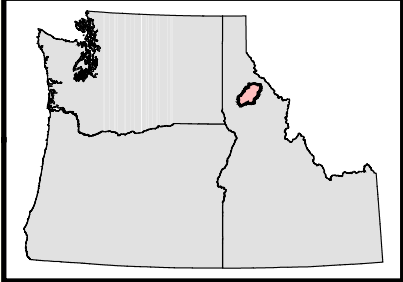
Watershed code = last two digits of sub-basin code

Note: This map is a DRAFT product for general reference only





DRAFT  
Snake River Steelhead Distribution  
Lower North Fork Clearwater Sub-basin (17060308)



Map J25

**Legend**

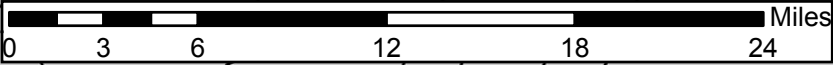
- ▲ Cities
- Dams
- Streams (1:100,000)
- Watersheds

**Snake River Steelhead**

- Spawning/Rearing
- Rearing/Migration
- Migration/Presence

**Land Ownership**

- Federal
- Private/Other
- State/Local
- Tribal
- Unassigned
- Water



Note: This map is a DRAFT product for general reference only

Watershed code = last two digits of sub-basin code